

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028785.D
 Acq On : 19 Dec 2018 11:43
 Operator : MD/SY
 Sample : J6474-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-TB-2018-1

Quant Time: Dec 20 03:19:15 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	128025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	218353	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	195795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79712	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	84176	43.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.16%	
35) Dibromofluoromethane	4.88	113	71292	51.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.76%	
50) Toluene-d8	7.57	98	276977	50.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	10.30	95	88801	43.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.42%	

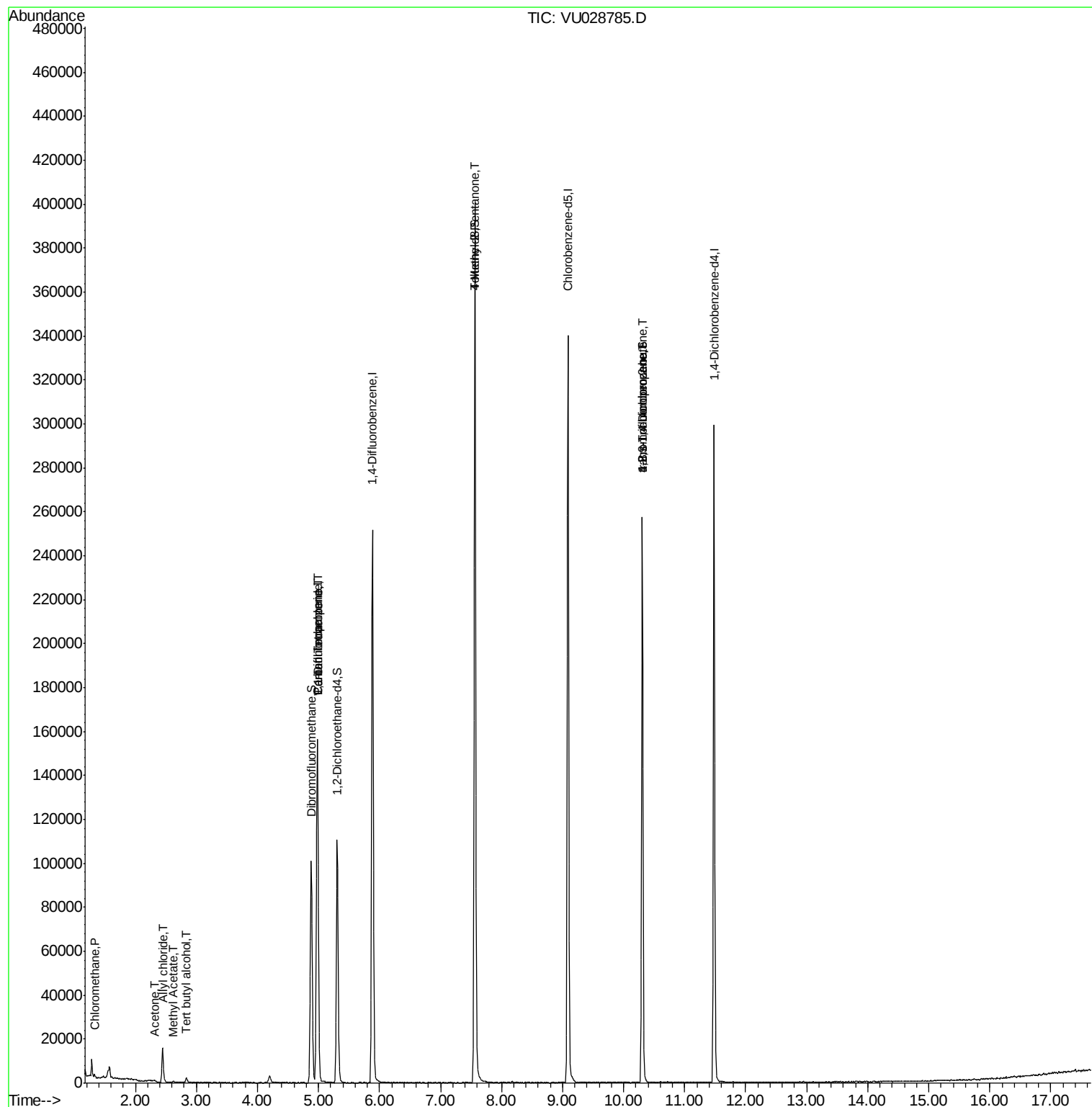
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1317	0.417	ug/l #	85
11) Tert butyl alcohol	2.84	59	1365	3.136	ug/l #	73
14) Allyl chloride	2.44	41	1329	0.394	ug/l #	60
16) Acetone	2.32	43	723	0.567	ug/l	93
18) Methyl Acetate	2.62	43	858	0.260	ug/l #	56
31) Cyclohexane	4.98	56	2263	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9514	3.982	ug/l #	49
38) Carbon Tetrachloride	4.98	117	11074	5.750	ug/l #	15
51) 4-Methyl-2-Pentanone	7.56	43	1073	0.348	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	41982	20.625	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	41982	50.703	ug/l #	100

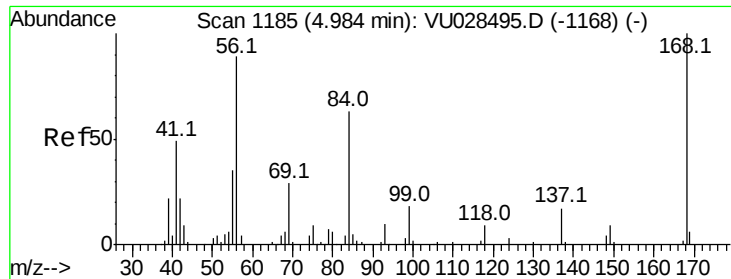
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028785.D

Acq: 19 Dec 2018 11:43

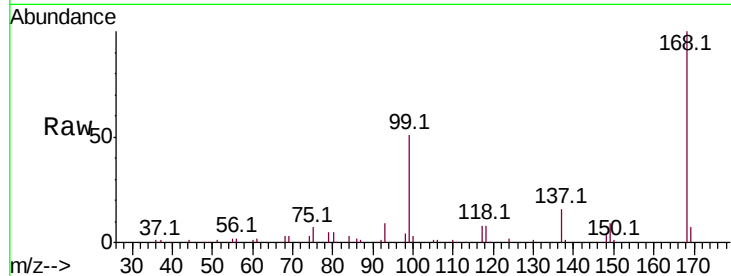
Instrument :
MSVOA_U
ClientSampleId :
S49-TB-2018-1

Tot Ion:168 Resp: 128025

Ion Ratio Lower Upper

168 100

99 51.3 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

60000

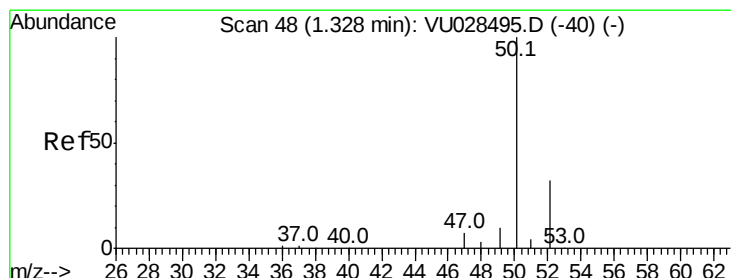
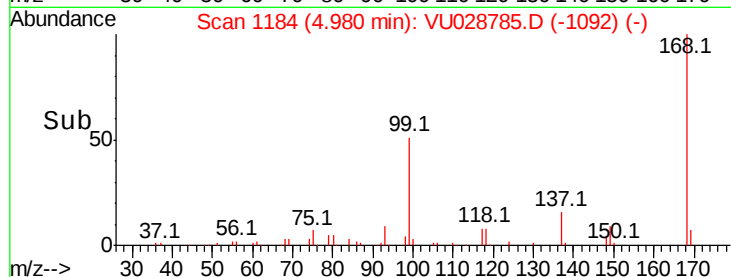
40000

20000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.417 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028785.D

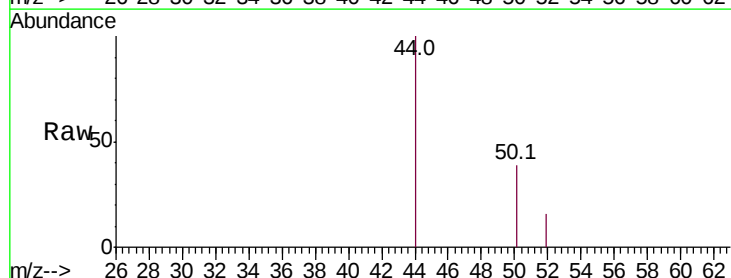
Acq: 19 Dec 2018 11:43

Tgt Ion: 50 Resp: 1317

Ion Ratio Lower Upper

50 100

52 40.4 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

1200

1000

800

600

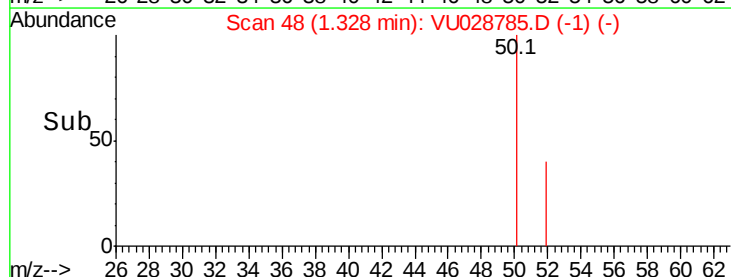
400

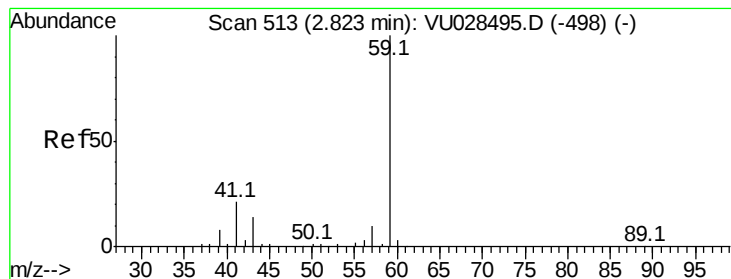
200

0

1.30 1.35

Time-->



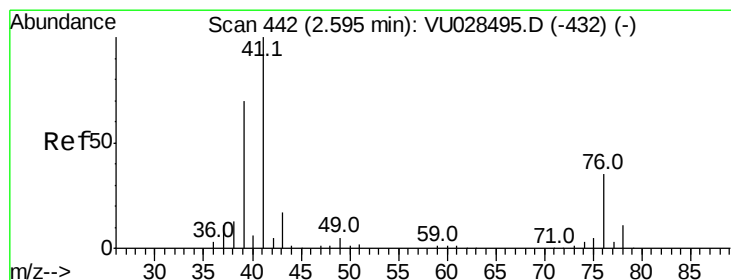
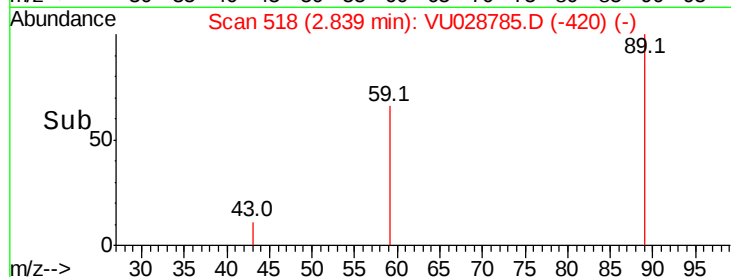
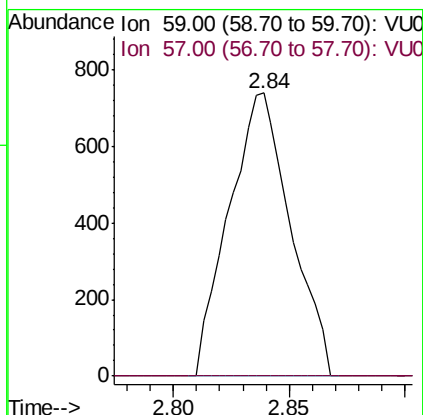
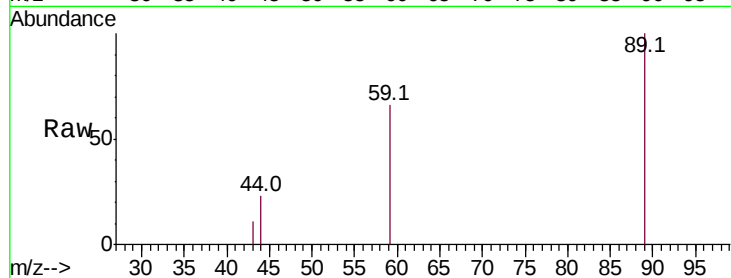


#11

Tert butyl alcohol
 Concen: 3.136 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.02 min
 Lab File: VU028785.D
 Acq: 19 Dec 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-TB-2018-1

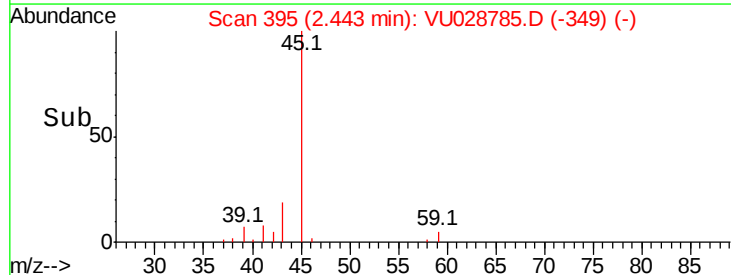
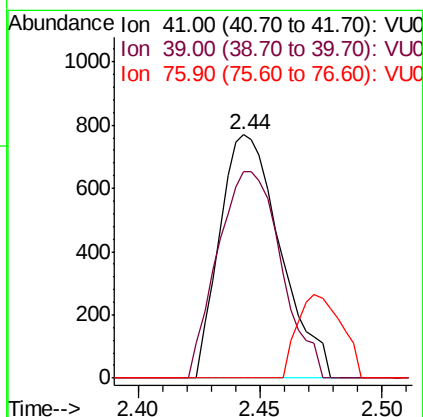
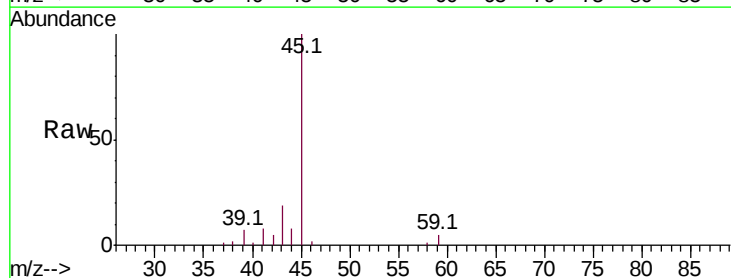
Tot Ion: 59 Resp: 1365
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

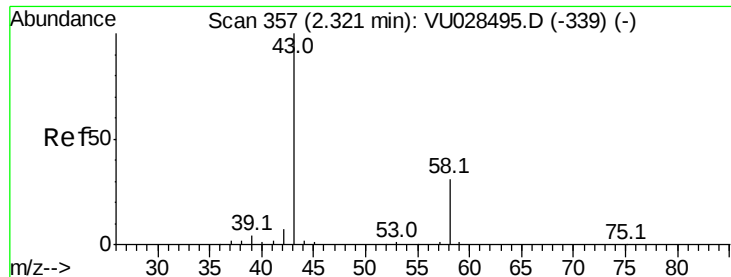


#14

Allyl chloride
 Concen: 0.394 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU028785.D
 Acq: 19 Dec 2018 11:43

Tgt Ion: 41 Resp: 1329
 Ion Ratio Lower Upper
 41 100
 39 88.8 50.8 76.2#
 76 0.0 24.8 37.2#





#16

Acetone

Concen: 0.567 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028785.D

Acq: 19 Dec 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

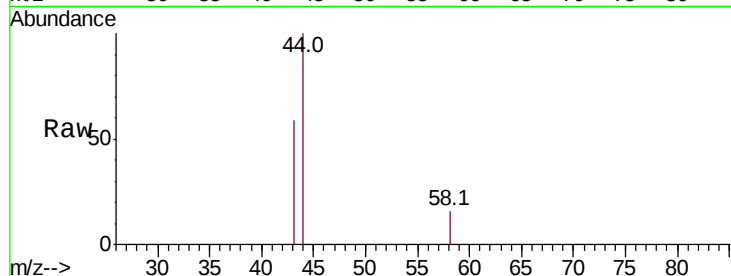
S49-TB-2018-1

Tot Ion: 43 Resp: 723

Ion Ratio Lower Upper

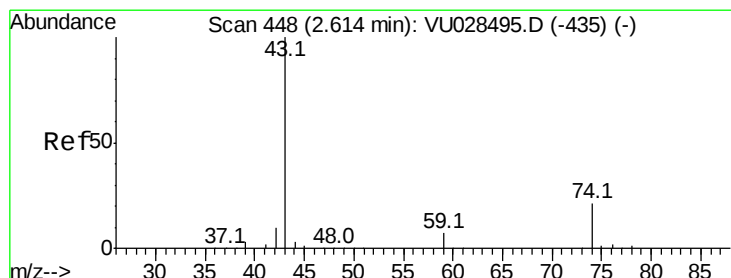
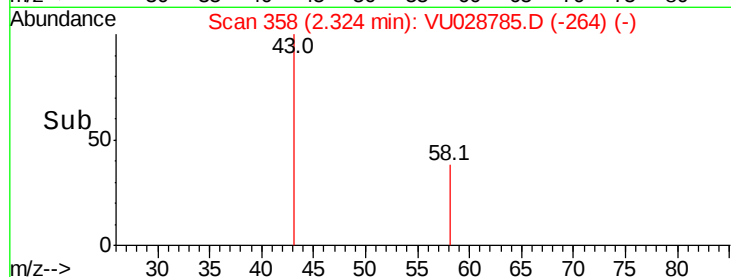
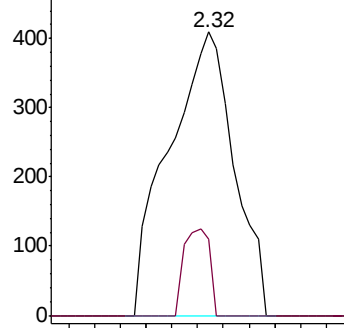
43 100

58 27.1 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: 0.260 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028785.D

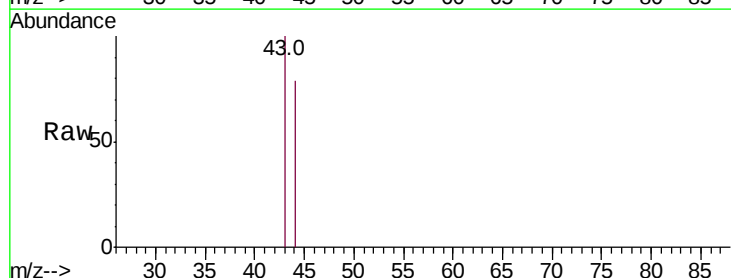
Acq: 19 Dec 2018 11:43

Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

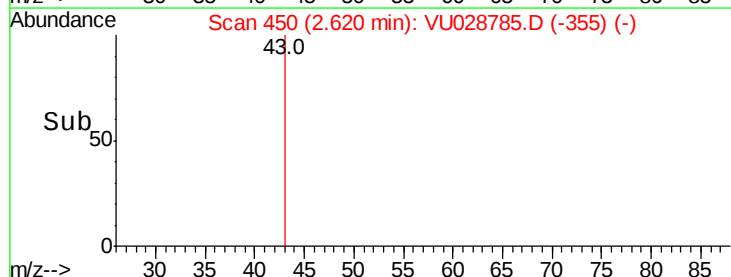
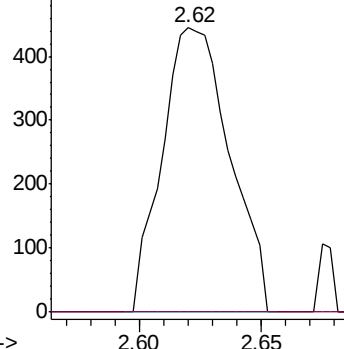
43 100

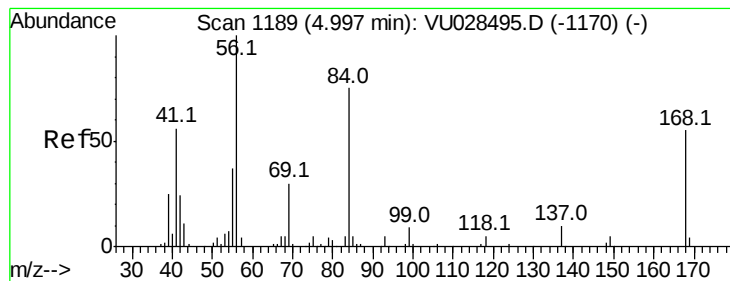
74 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

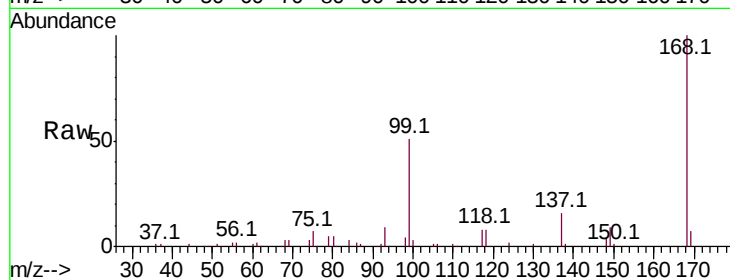
Lab File: VU028785.D

Acq: 19 Dec 2018 11:43

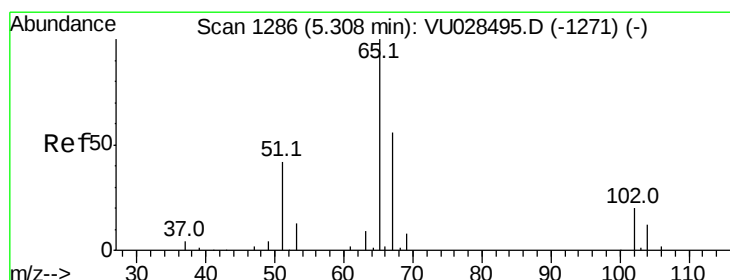
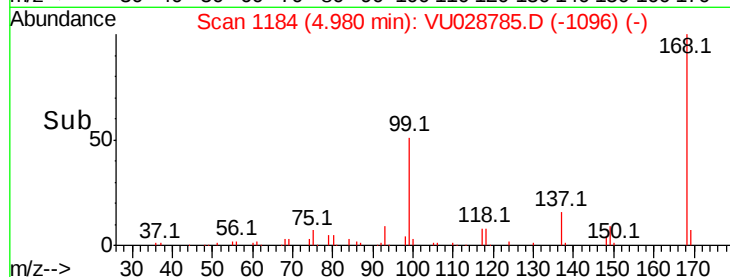
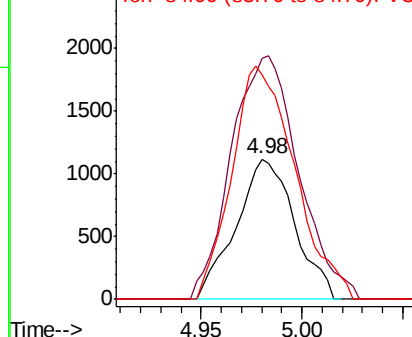
Instrument :
MSVOA_U
ClientSampleId :
S49-TB-2018-1

Tot Ion: 56 Resp: 2263

Ion	Ratio	Lower	Upper
56	100		
69	171.7	24.0	36.0#
84	159.8	59.7	89.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 43.084 ug/l

RT: 5.31 min Scan# 1286

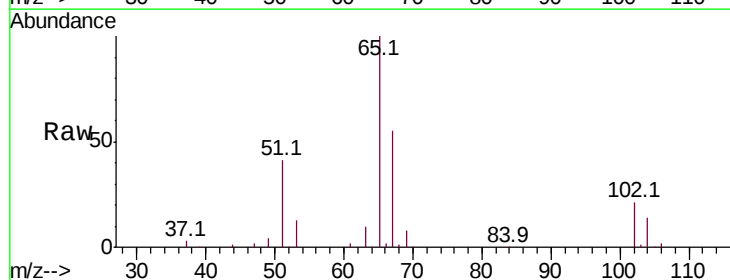
Delta R.T. -0.00 min

Lab File: VU028785.D

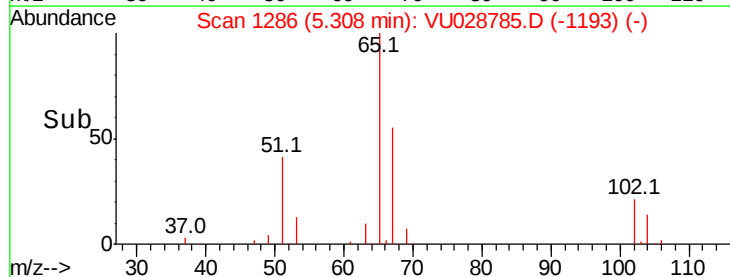
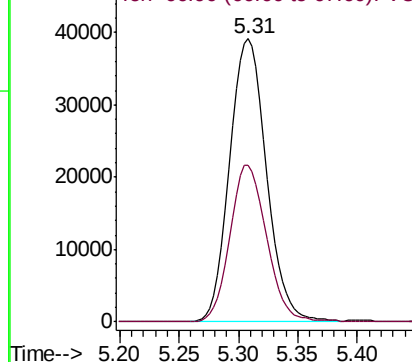
Acq: 19 Dec 2018 11:43

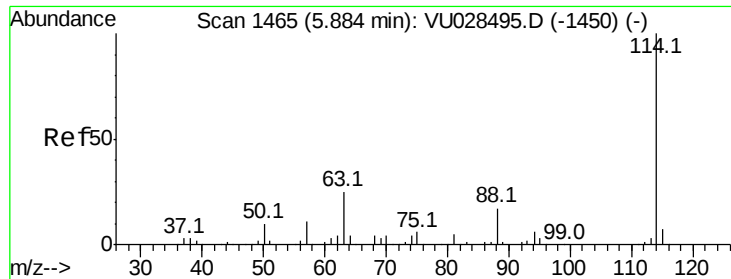
Tgt Ion: 65 Resp: 84176

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

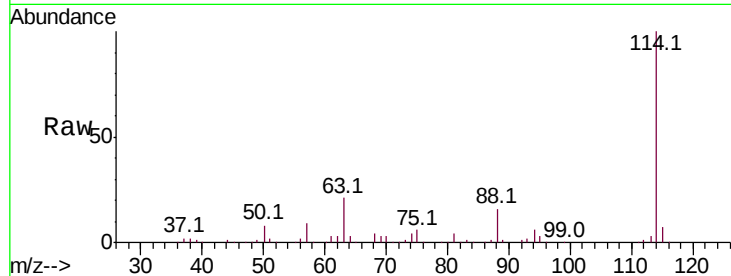




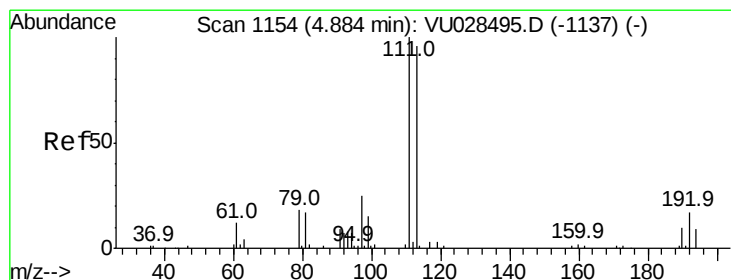
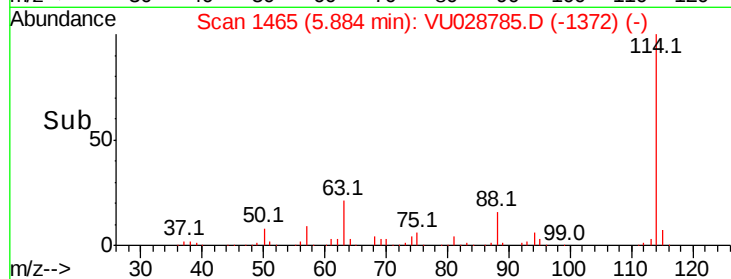
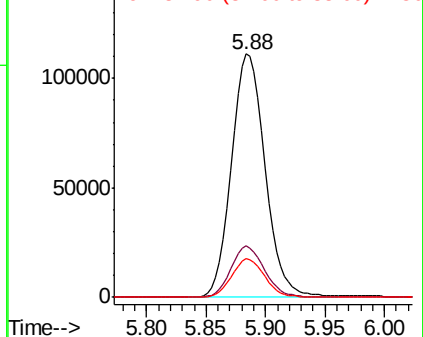
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028785.D
 Acq: 19 Dec 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-TB-2018-1

Tot Ion:	114	Resp:	218353
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	49.2
88	15.7	0.0	33.4

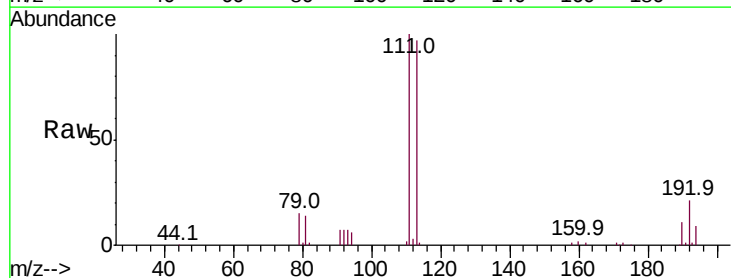


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

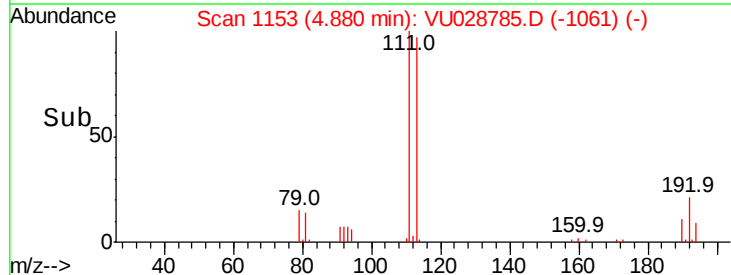
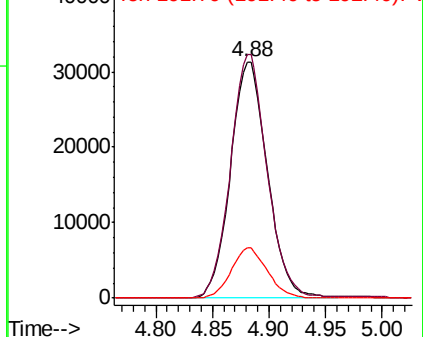


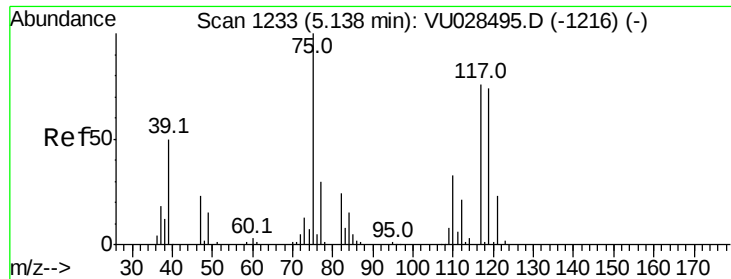
#35
 Dibromofluoromethane
 Concen: 51.882 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028785.D
 Acq: 19 Dec 2018 11:43

Tgt Ion:	113	Resp:	71292
Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.4	125.0
192	20.5	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

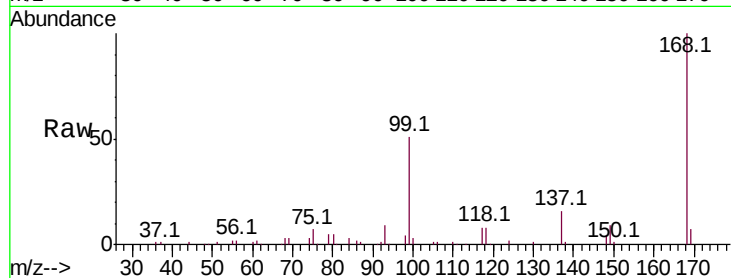




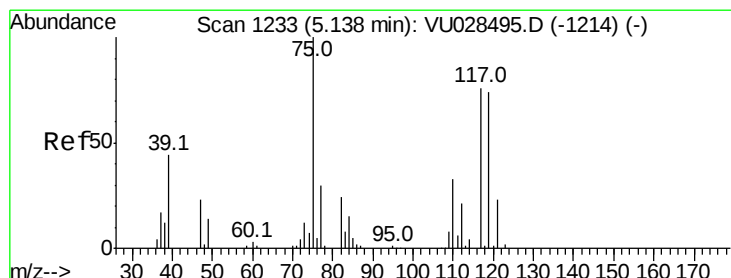
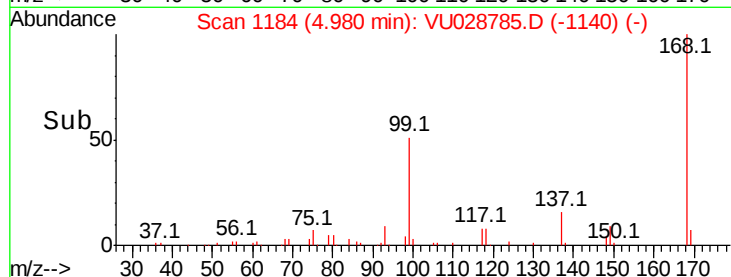
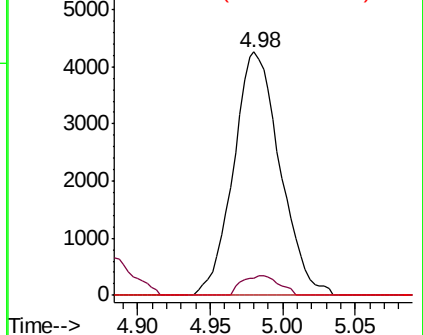
#36
 1,1-Dichloropropene
 Concen: 3.982 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028785.D
 Acq: 19 Dec 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-TB-2018-1

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.5	16.1	48.2#
77	0.0	24.5	36.7#

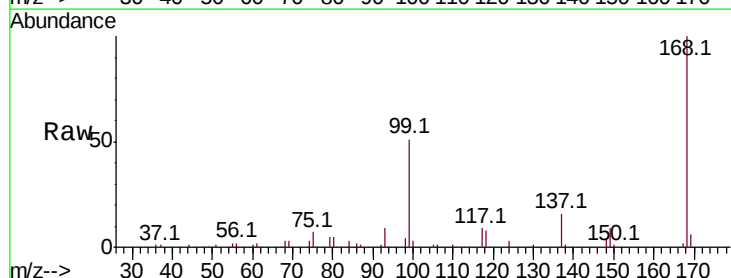


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

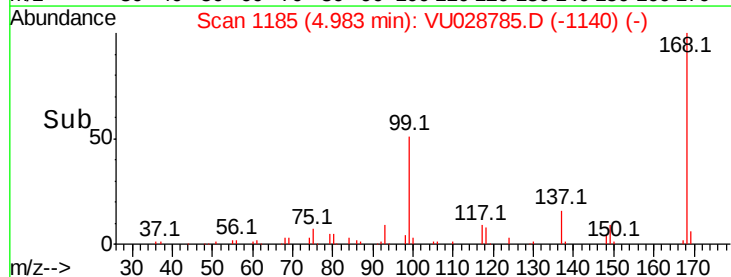
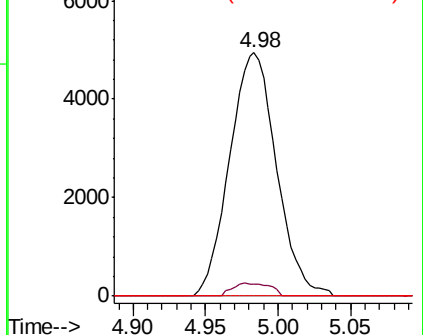


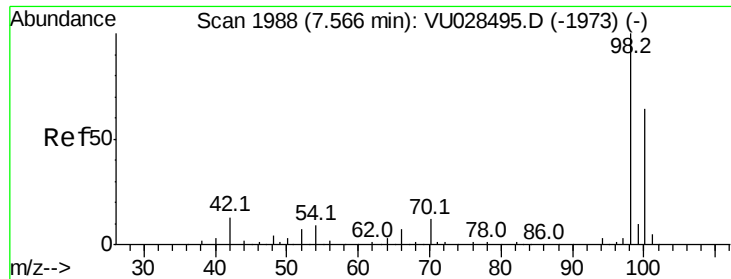
#38
 Carbon Tetrachloride
 Concen: 5.750 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028785.D
 Acq: 19 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	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

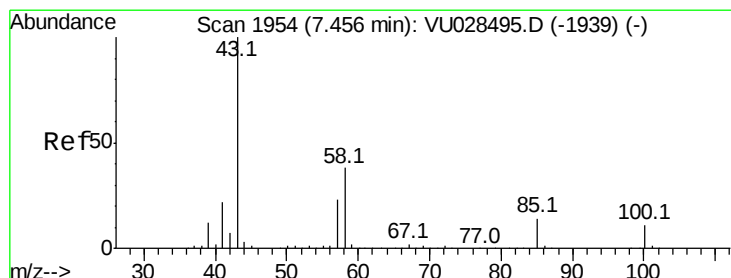
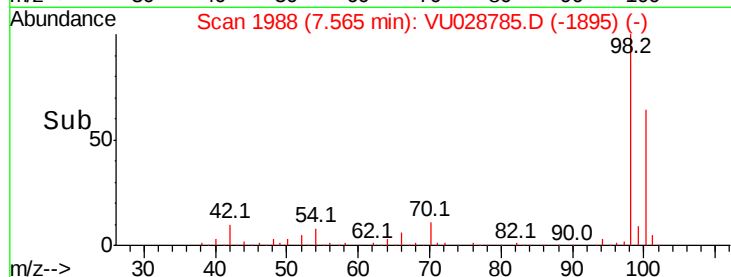
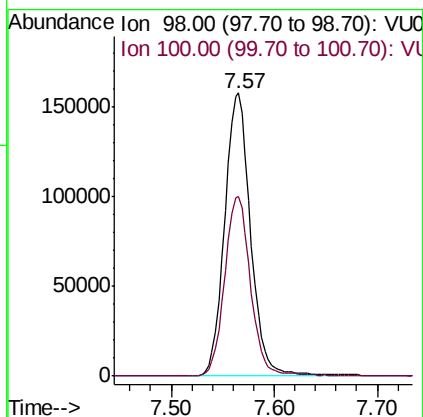
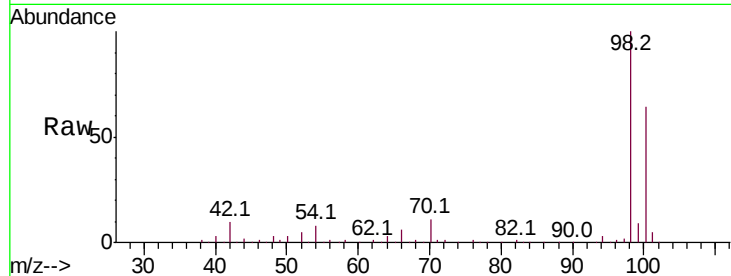




#50
Toluene-d8
Concen: 50.955 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028785.D
Acq: 19 Dec 2018 11:43

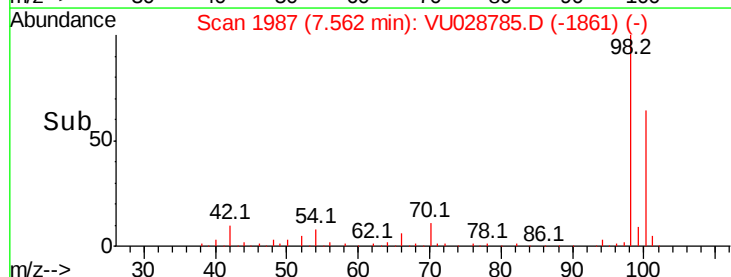
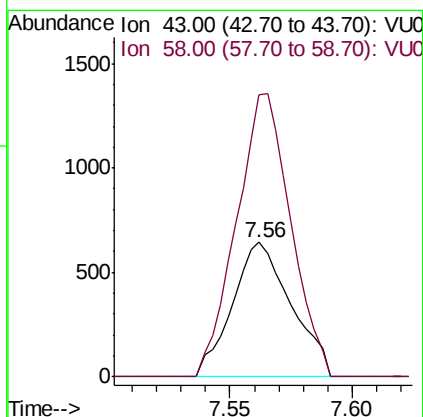
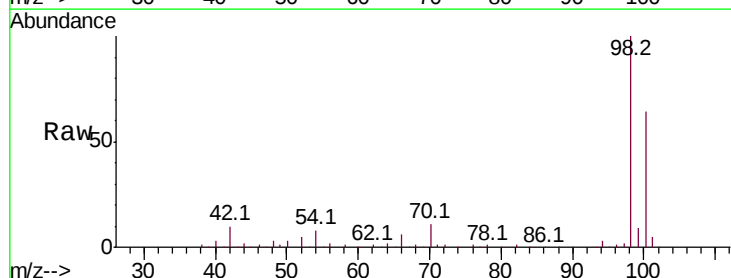
Instrument :
MSVOA_U
ClientSampleId :
S49-TB-2018-1

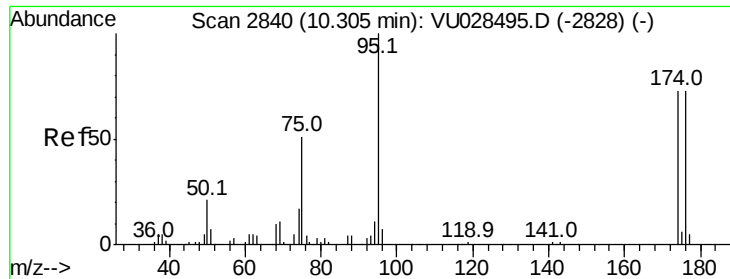
Tot Ion: 98 Resp: 276977
Ion Ratio Lower Upper
98 100
100 63.3 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.348 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.11 min
Lab File: VU028785.D
Acq: 19 Dec 2018 11:43

Tgt Ion: 43 Resp: 1073
Ion Ratio Lower Upper
43 100
58 194.6 30.2 45.2#

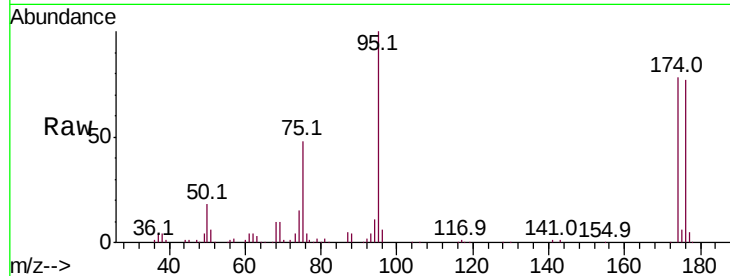




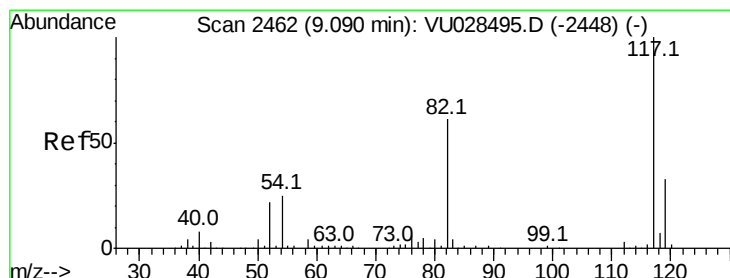
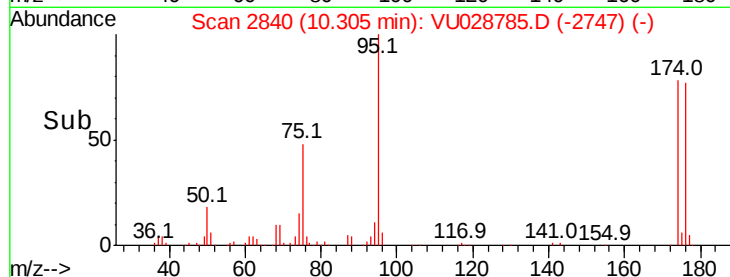
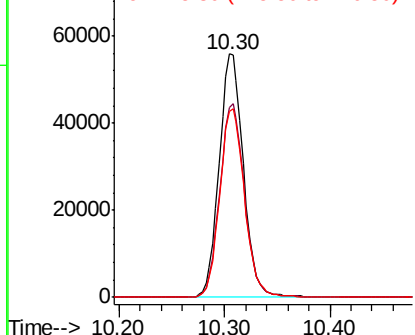
#62
4-Bromofluorobenzene
Concen: 43.708 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028785.D
Acq: 19 Dec 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
S49-TB-2018-1

Tot Ion: 95 Resp: 88801
Ion Ratio Lower Upper
95 100
174 81.1 0.0 150.4
176 79.2 0.0 145.2

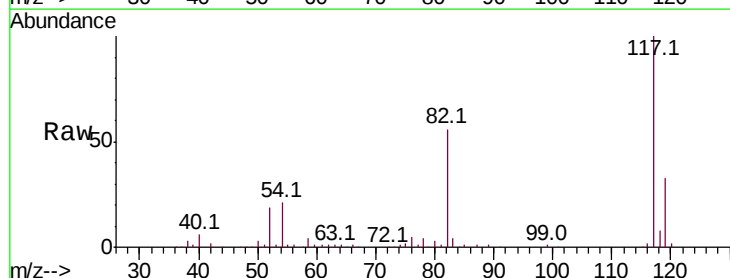


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

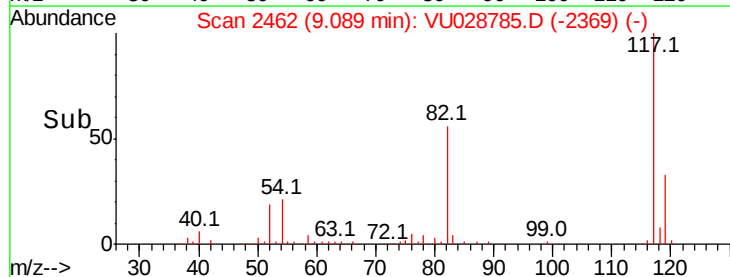
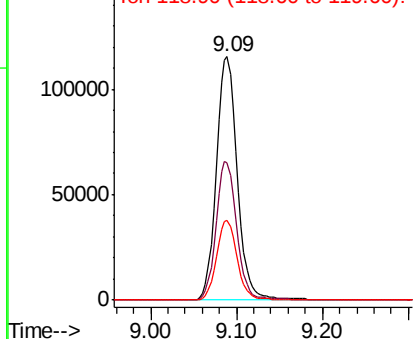


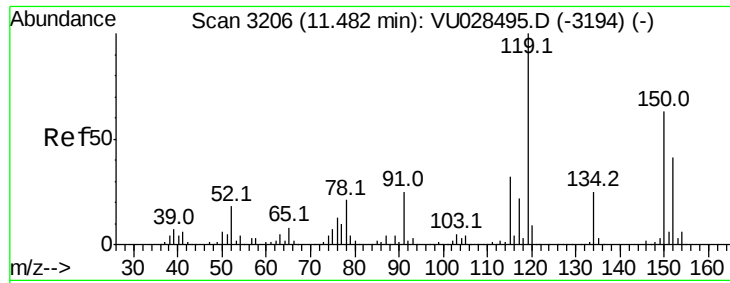
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028785.D
Acq: 19 Dec 2018 11:43

Tgt Ion: 117 Resp: 195795
Ion Ratio Lower Upper
117 100
82 56.2 48.9 73.3
119 32.6 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



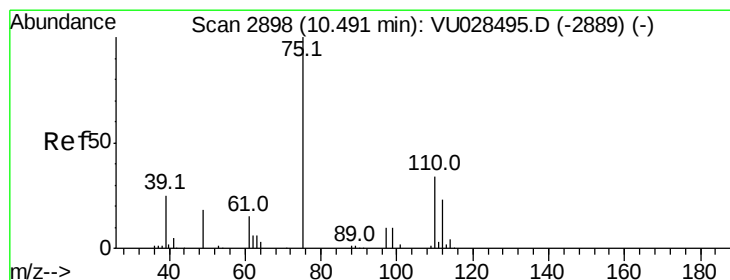
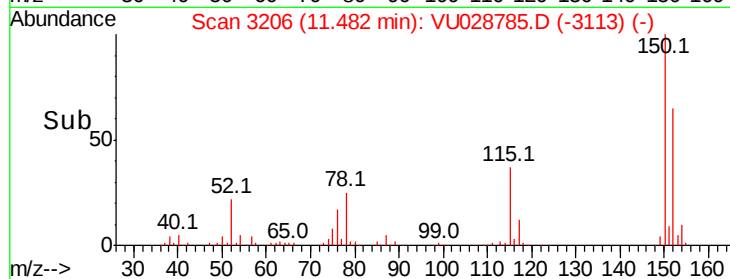
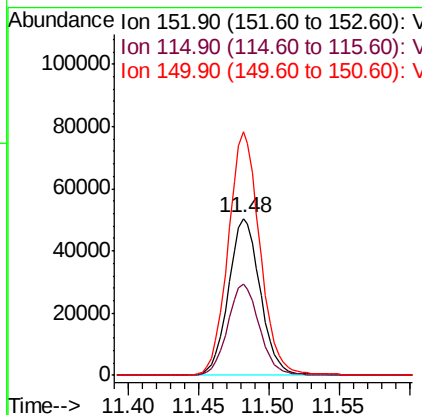
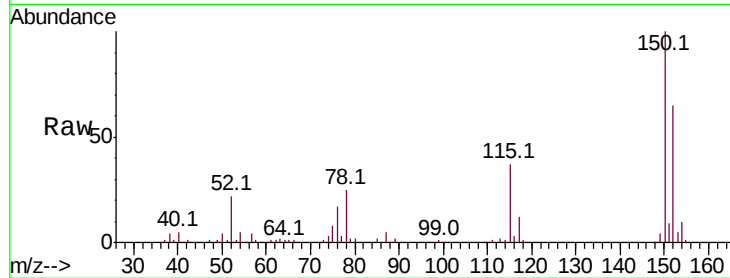


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU028785.D
 Acq: 19 Dec 2018 11:43

Instrument :
 MSVOA_U
 ClientSampled :
 S49-TB-2018-1

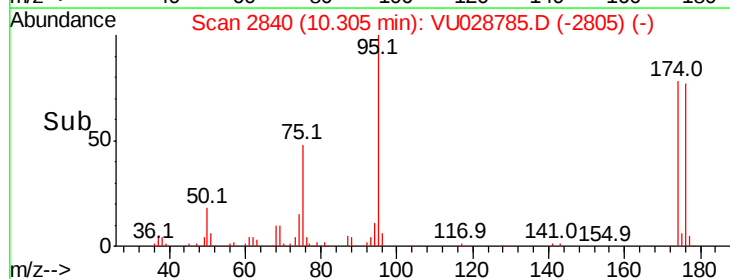
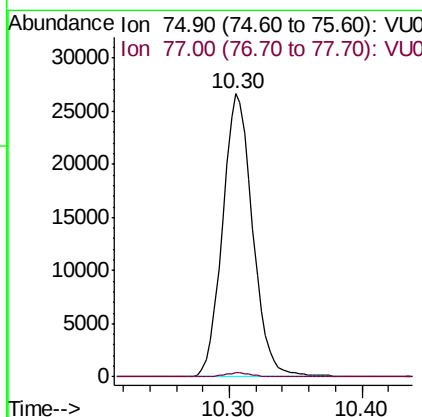
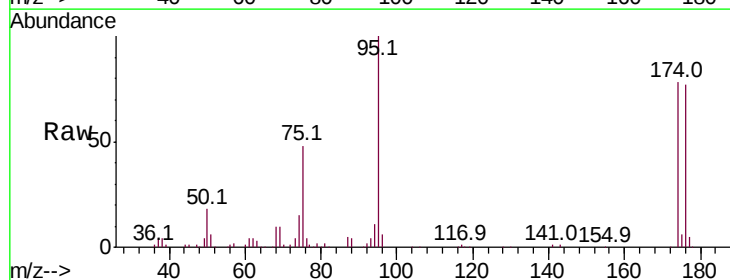
Tot Ion:152 Resp: 79712
 Ion Ratio Lower Upper
 152 100
 115 58.2 42.7 128.1
 150 155.4 0.0 346.0

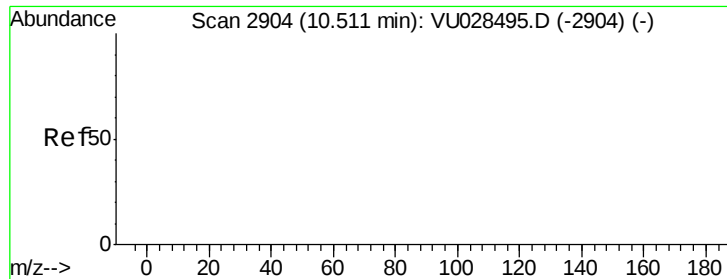


#76

1,2,3-Trichloropropane
 Concen: 20.625 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028785.D
 Acq: 19 Dec 2018 11:43

Tgt Ion: 75 Resp: 41982
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.8 62.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 50.703 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028785.D

Acq: 19 Dec 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

S49-TB-2018-1

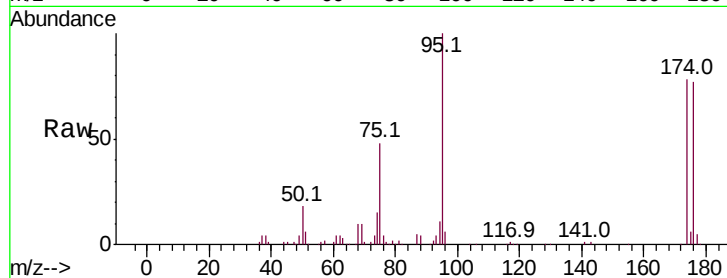
Tot Ion: 75 Resp: 41982

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

