

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028643.D
 Acq On : 12 Dec 2018 11:32
 Operator : MD/SY
 Sample : J6347-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-RB-181210

Quant Time: Dec 13 00:46:17 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	111519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	197191	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68361	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	84600	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
35) Dibromofluoromethane	4.88	113	65443	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
50) Toluene-d8	7.57	98	252108	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	10.30	95	81529	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	

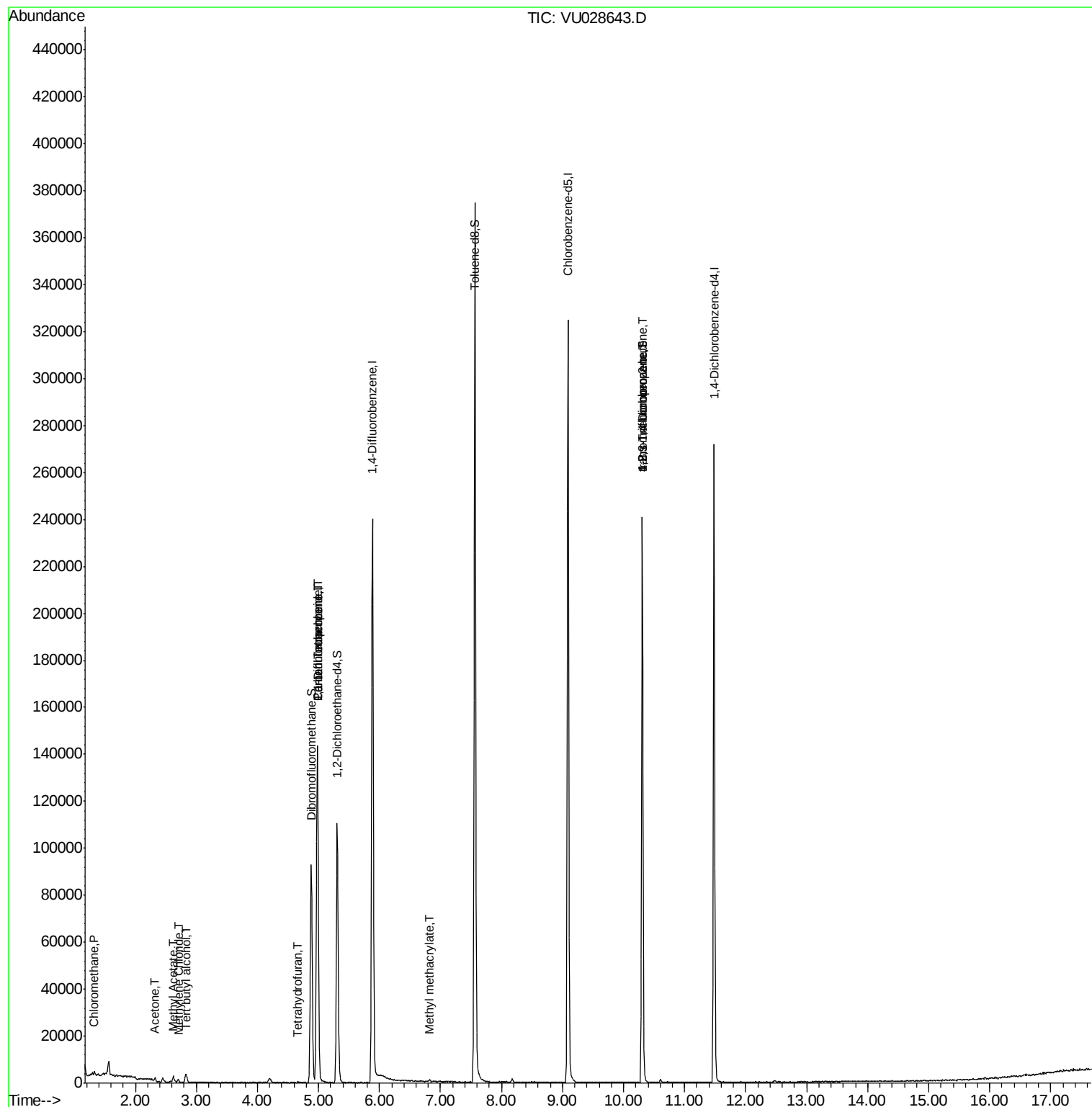
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1159	0.422	ug/l	100
11) Tert butyl alcohol	2.83	59	4519	11.918	ug/l #	89
16) Acetone	2.32	43	2031	1.829	ug/l #	84
18) Methyl Acetate	2.62	43	3461	1.202	ug/l #	89
20) Methylene Chloride	2.70	84	442	0.270	ug/l #	81
29) Tetrahydrofuran	4.66	42	300	0.308	ug/l #	37
31) Cyclohexane	4.98	56	2315	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9284	4.302	ug/l #	49
38) Carbon Tetrachloride	4.98	117	10489	6.031	ug/l #	13
48) Methyl methacrylate	6.82	41	439	0.200	ug/l #	18
76) 1,2,3-Trichloropropane	10.31	75	40990	23.482	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	40990	57.653	ug/l #	100

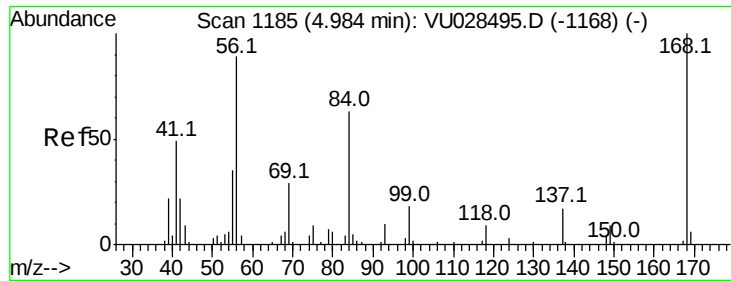
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

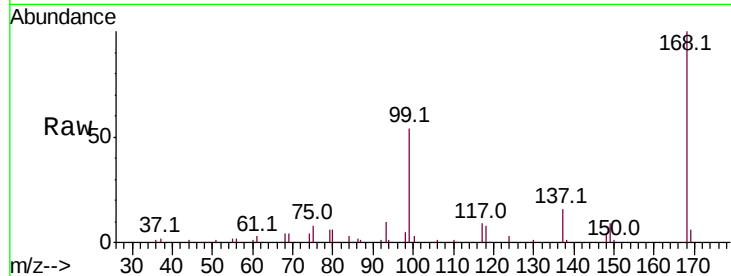
Instrument :
MSVOA_U
ClientSampleId :
P001-RB-181210

Tot Ion:168 Resp: 111519

Ion Ratio Lower Upper

168 100

99 53.5 46.6 69.8

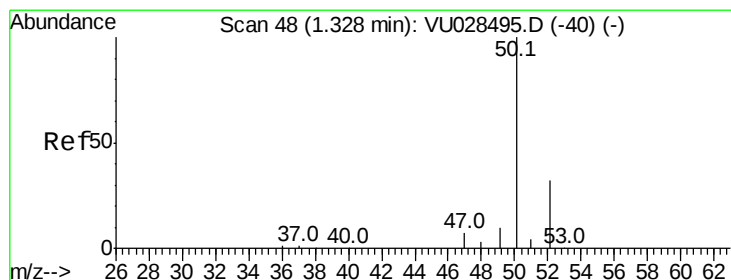
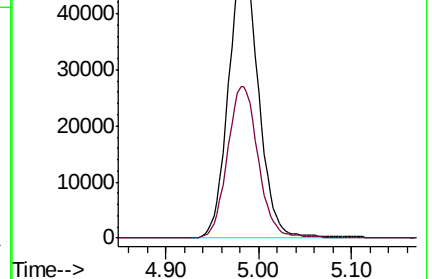
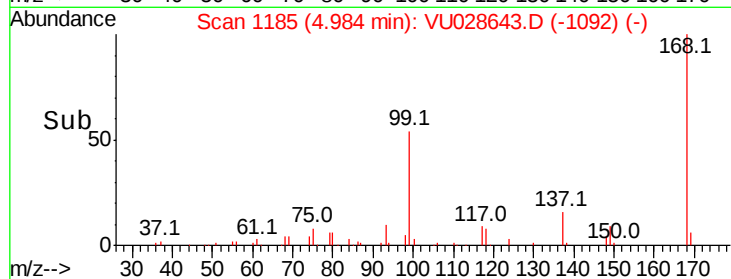


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

Time-->



#3

Chloromethane

Concen: 0.422 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028643.D

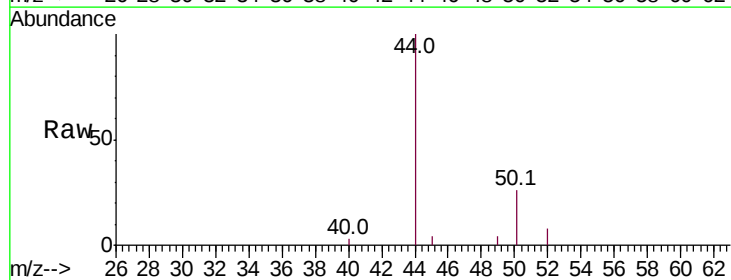
Acq: 12 Dec 2018 11:32

Tgt Ion: 50 Resp: 1159

Ion Ratio Lower Upper

50 100

52 31.7 25.5 38.3

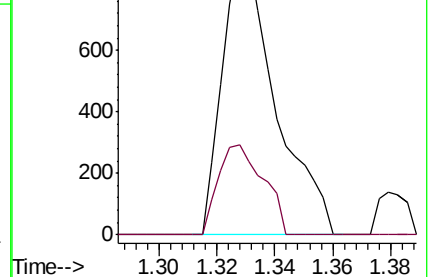
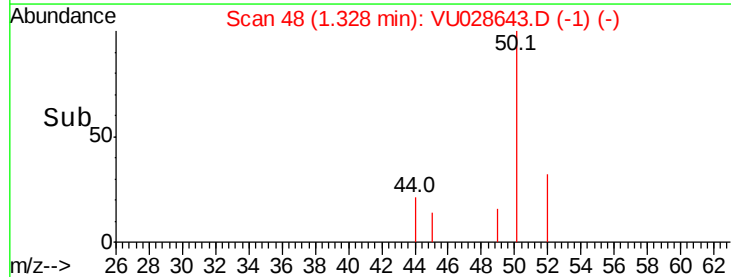


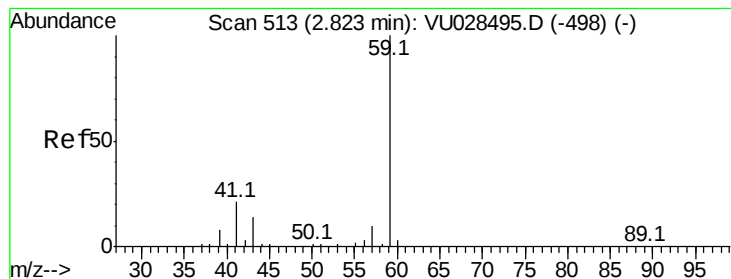
Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

Time-->





#11

Tert butyl alcohol

Concen: 11.918 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

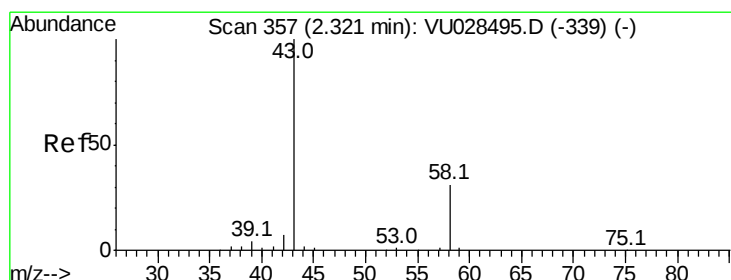
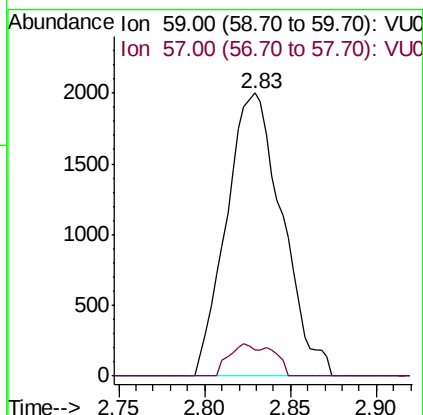
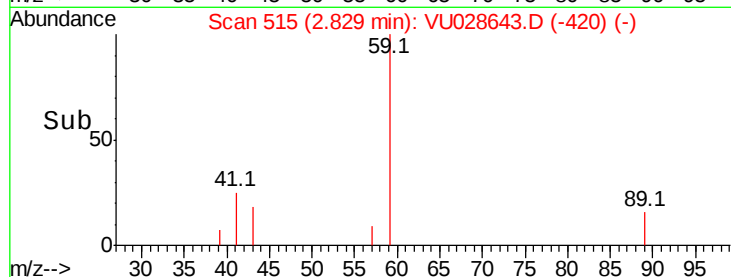
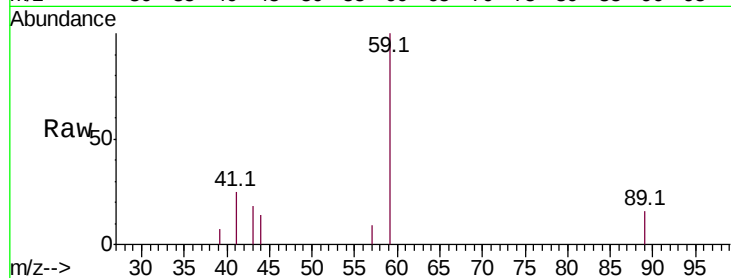
P001-RB-181210

Tot Ion: 59 Resp: 4519

Ion Ratio Lower Upper

59 100

57 6.1 8.0 12.0#



#16

Acetone

Concen: 1.829 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028643.D

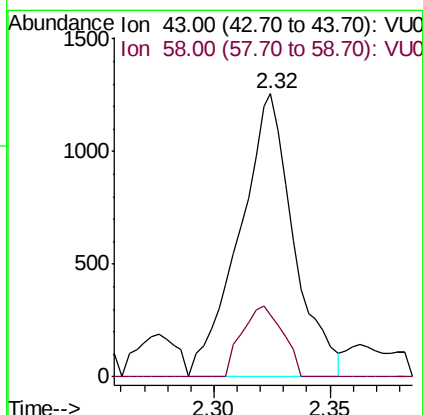
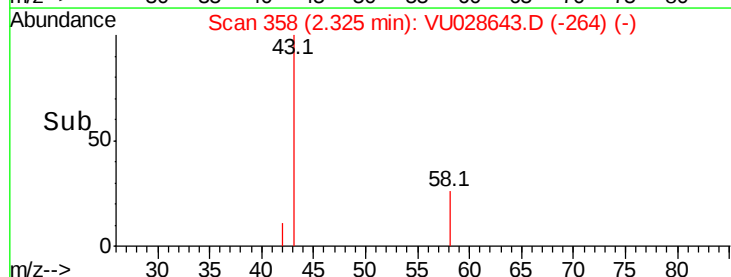
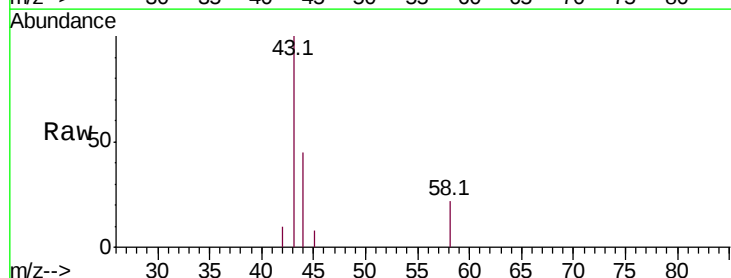
Acq: 12 Dec 2018 11:32

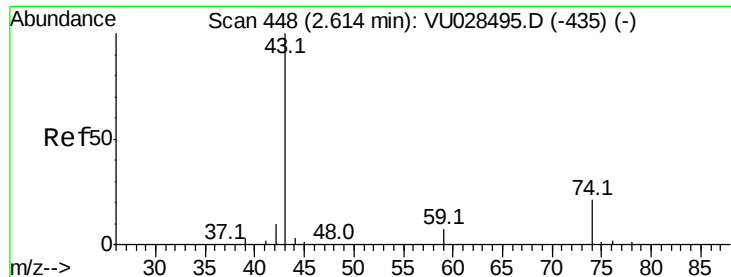
Tgt Ion: 43 Resp: 2031

Ion Ratio Lower Upper

43 100

58 22.0 24.6 37.0#

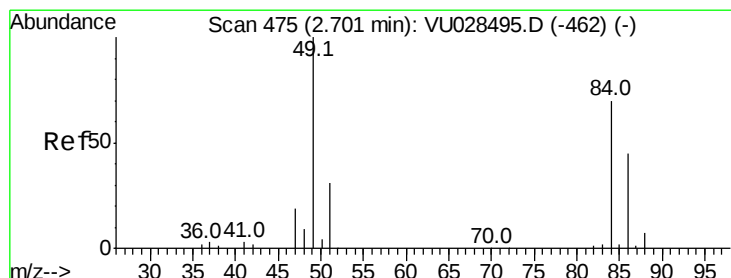
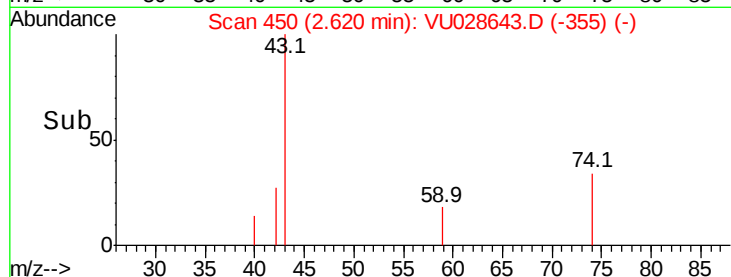
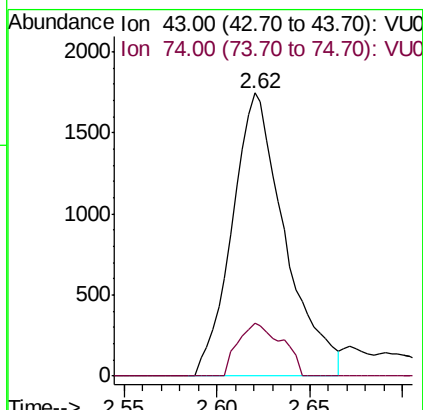
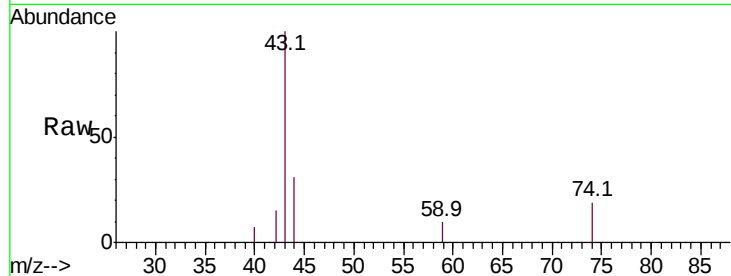




#18
Methyl Acetate
Concen: 1.202 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028643.D
Acq: 12 Dec 2018 11:32

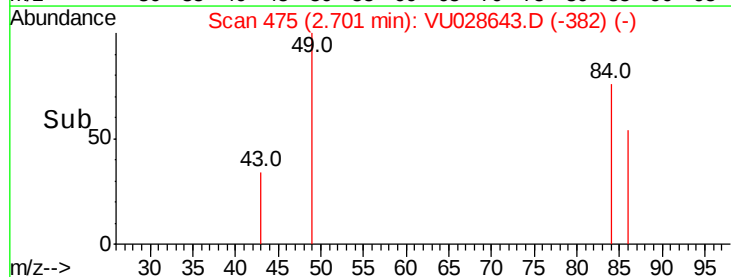
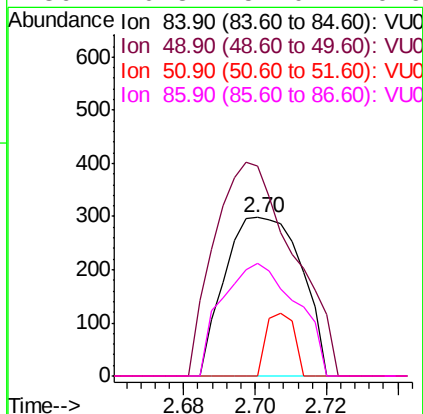
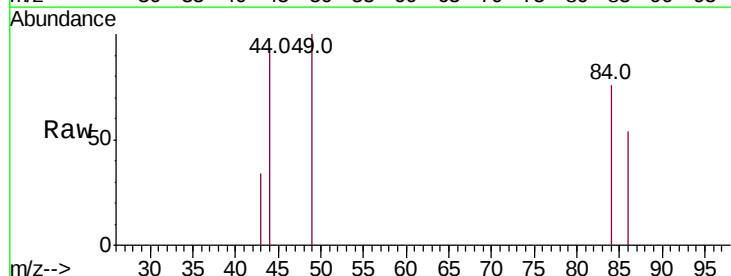
Instrument :
MSVOA_U
ClientSampleId :
P001-RB-181210

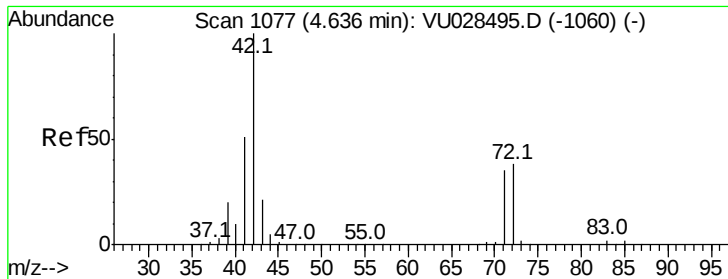
Tot Ion: 43 Resp: 3461
Ion Ratio Lower Upper
43 100
74 15.5 16.4 24.6#



#20
Methylene Chloride
Concen: 0.270 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028643.D
Acq: 12 Dec 2018 11:32

Tgt Ion: 84 Resp: 442
Ion Ratio Lower Upper
84 100
49 132.2 114.0 171.0
51 0.0 35.1 52.7#
86 70.8 51.0 76.6





#29

Tetrahydrofuran

Concen: 0.308 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

P001-RB-181210

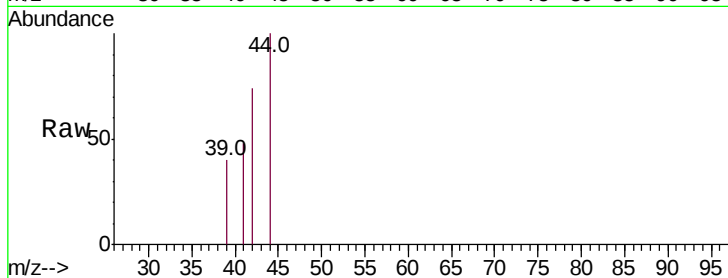
Tot Ion: 42 Resp: 300

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

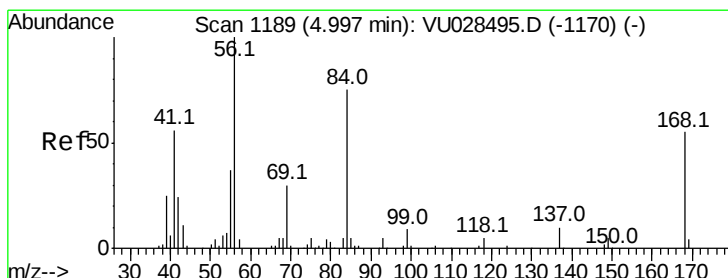
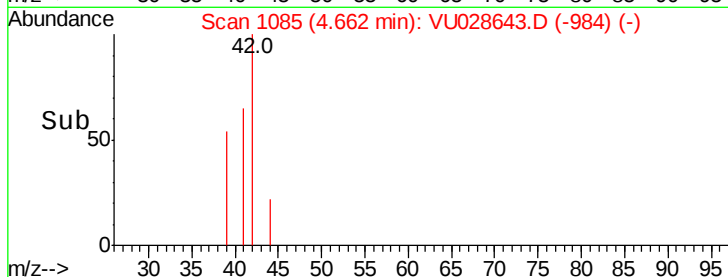
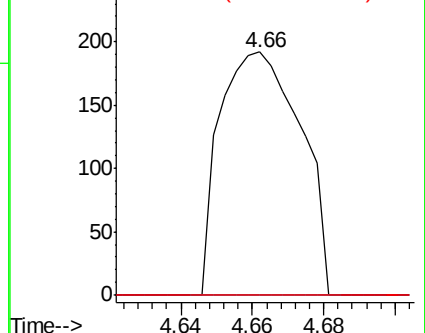
71 0.0 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

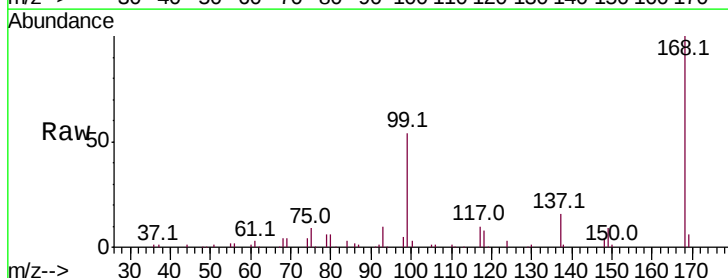
Tgt Ion: 56 Resp: 2315

Ion Ratio Lower Upper

56 100

69 179.0 24.0 36.0#

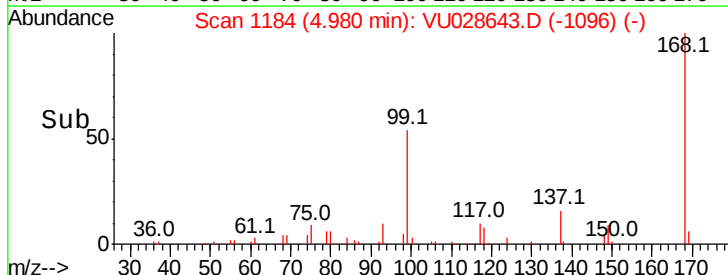
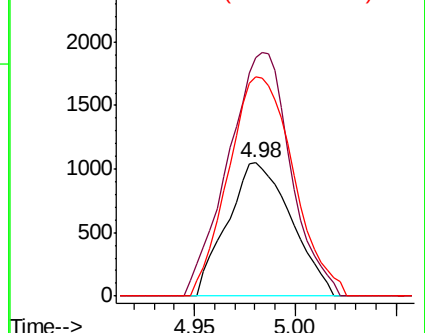
84 164.0 59.7 89.5#

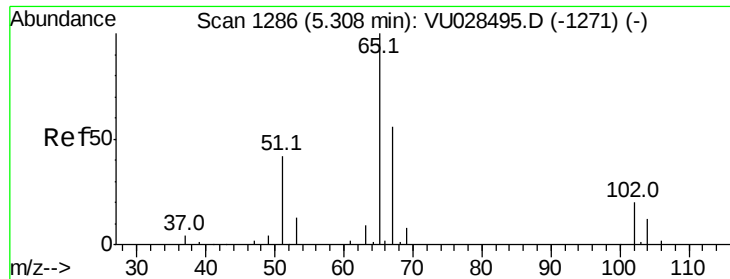


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#33

1,2-Dichloroethane-d4

Concen: 49.711 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

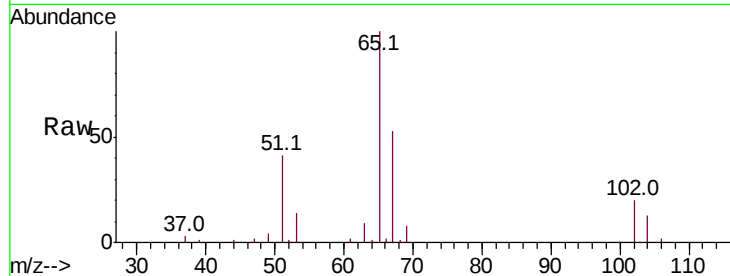
P001-RB-181210

Tot Ion: 65 Resp: 84600

Ion Ratio Lower Upper

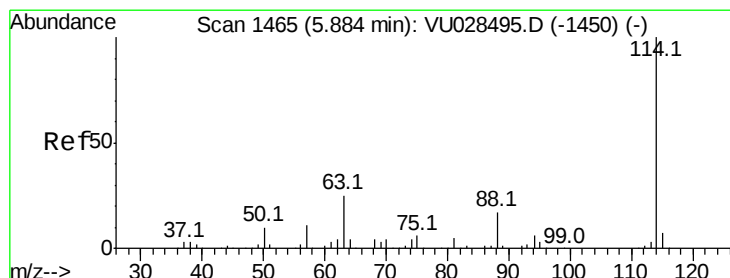
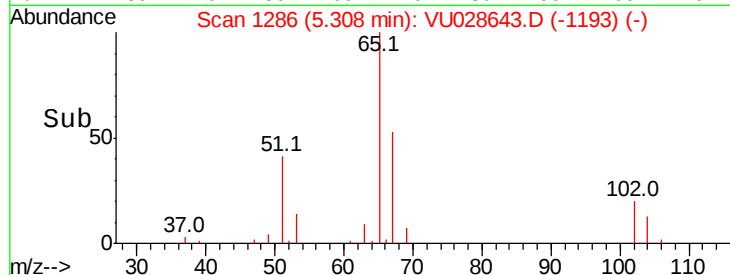
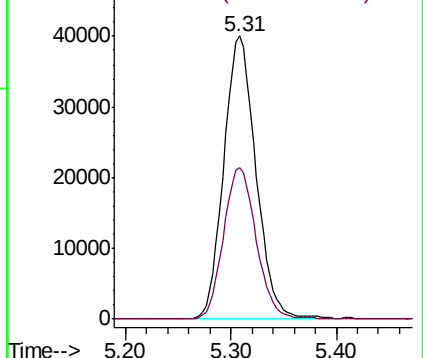
65 100

67 54.3 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: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

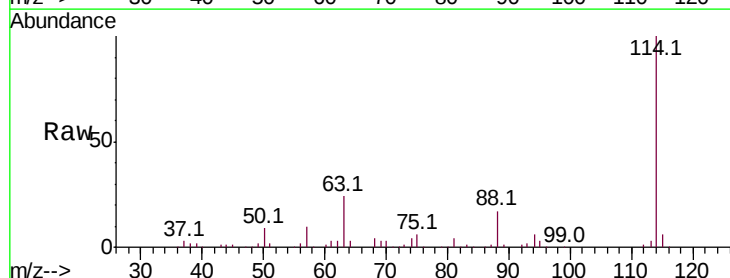
Tgt Ion:114 Resp: 197191

Ion Ratio Lower Upper

114 100

63 23.7 0.0 49.2

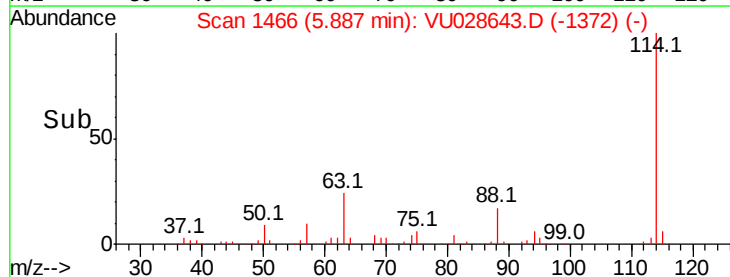
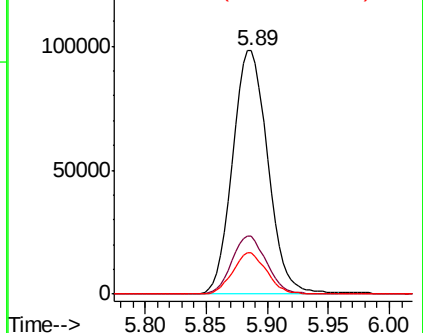
88 17.0 0.0 33.4

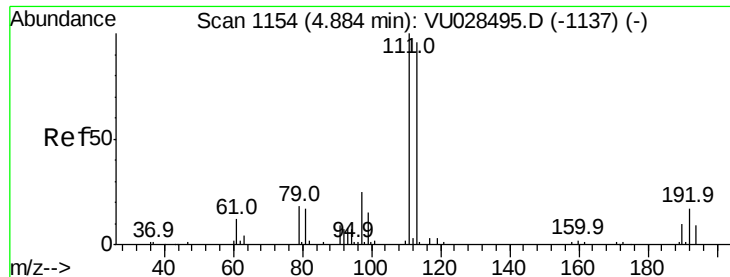


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

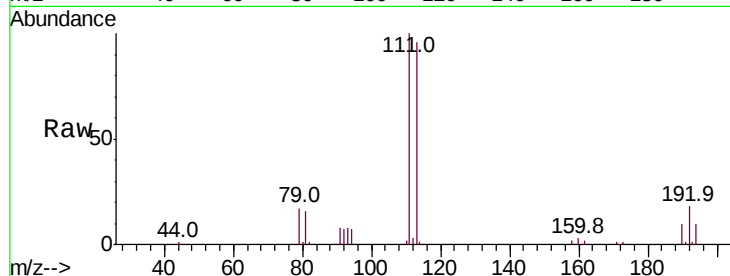




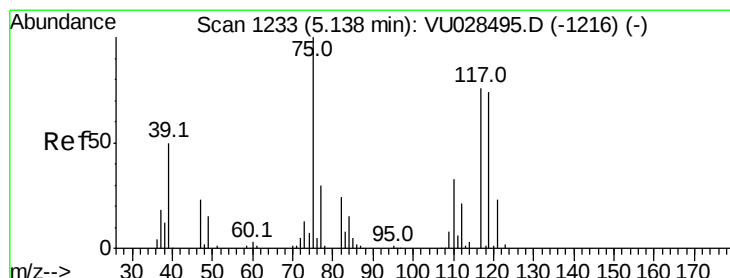
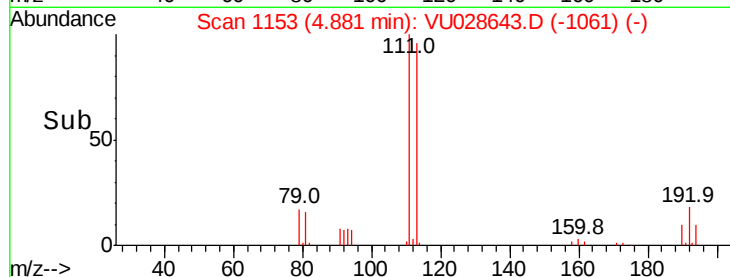
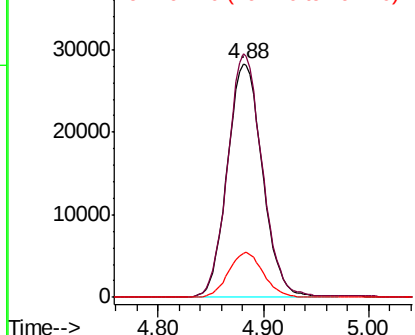
#35
 Dibromofluoromethane
 Concen: 52.737 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028643.D
 Acq: 12 Dec 2018 11:32

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-RB-181210

Tot Ion:113 Resp: 65443
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.4 125.0
 192 18.9 14.8 22.2

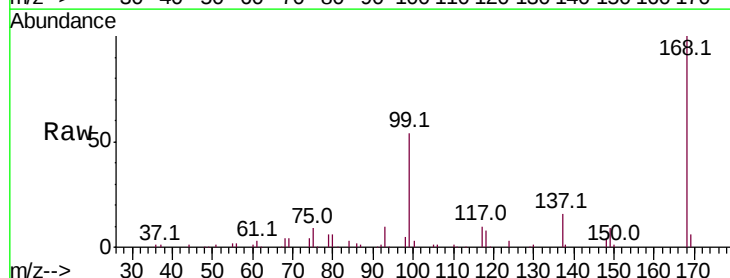


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

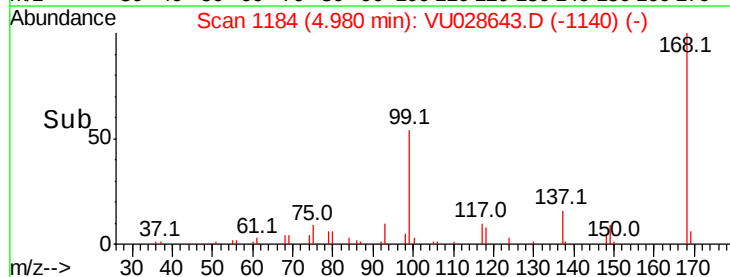
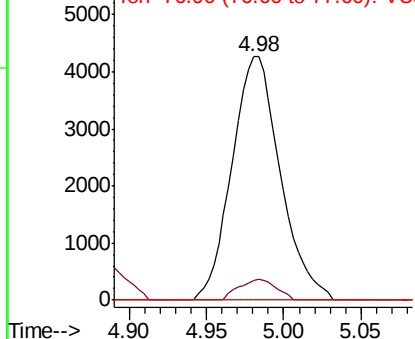


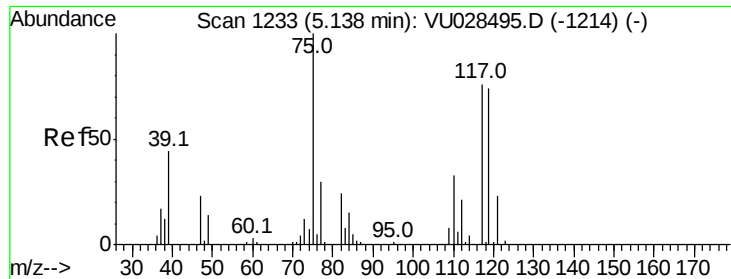
#36
 1,1-Dichloropropene
 Concen: 4.302 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028643.D
 Acq: 12 Dec 2018 11:32

Tgt Ion: 75 Resp: 9284
 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: 6.031 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

P001-RB-181210

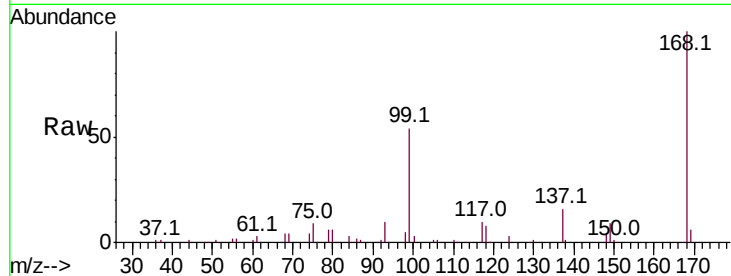
Tot Ion:117 Resp: 10489

Ion Ratio Lower Upper

117 100

119 2.5 77.6 116.4#

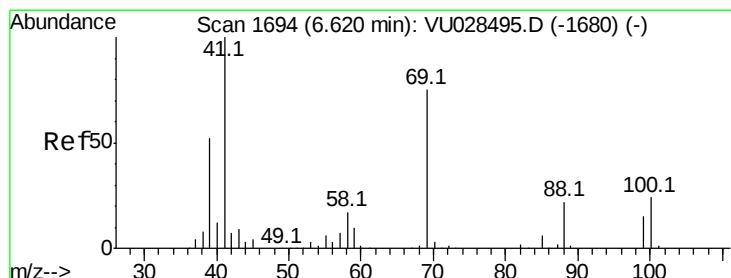
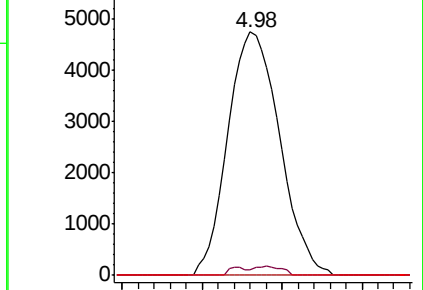
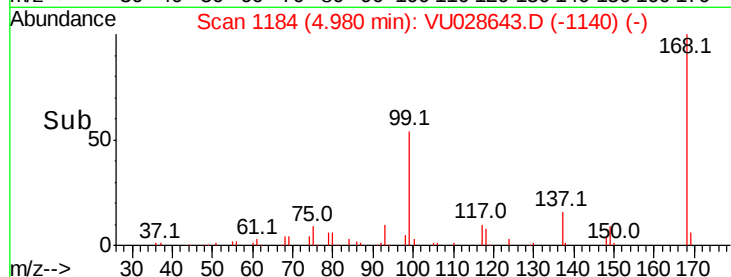
121 0.0 24.6 36.8#



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



#48

Methyl methacrylate

Concen: 0.200 ug/l

RT: 6.82 min Scan# 1756

Delta R.T. 0.20 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

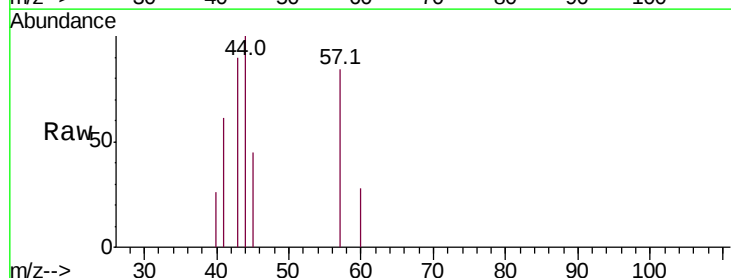
Tgt Ion: 41 Resp: 439

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

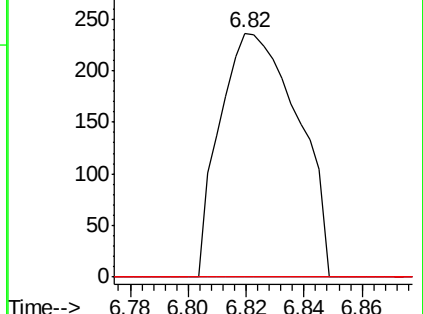
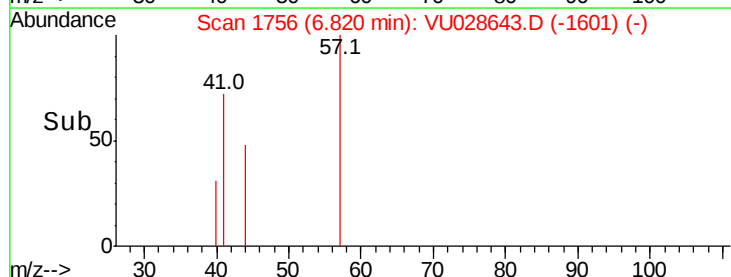
39 0.0 41.1 61.7#

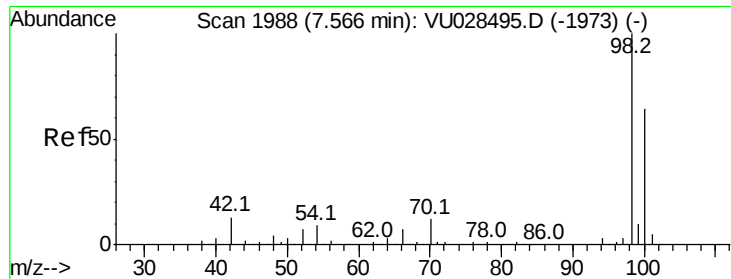


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

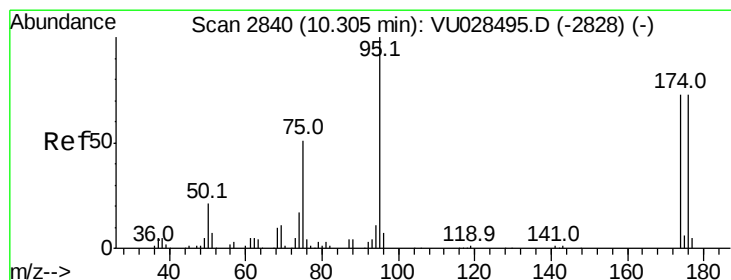
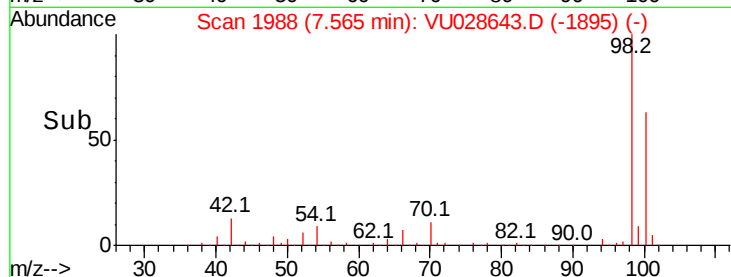
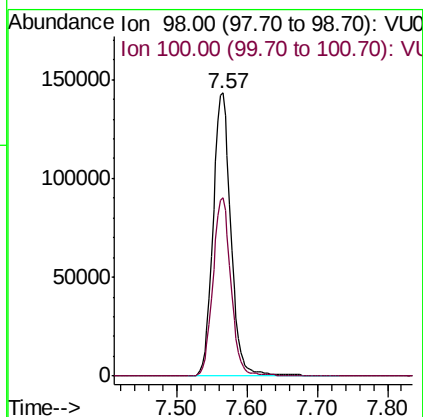
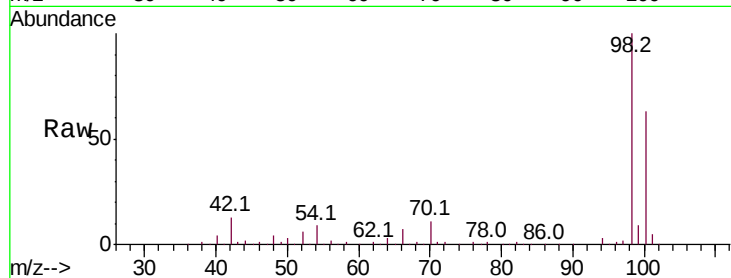




#50
Toluene-d8
Concen: 51.357 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028643.D
Acq: 12 Dec 2018 11:32

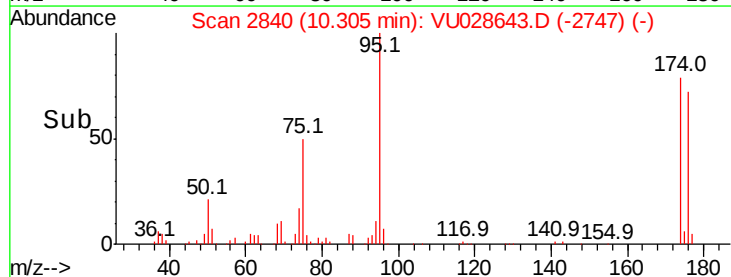
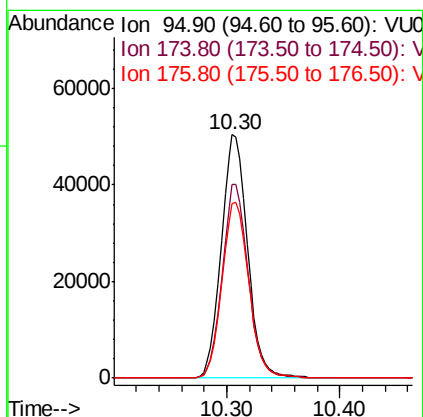
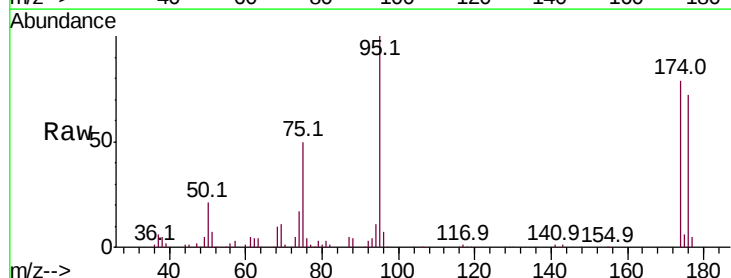
Instrument :
MSVOA_U
ClientSampleId :
P001-RB-181210

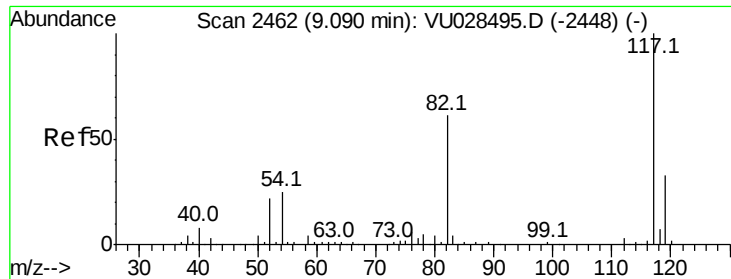
Tot Ion: 98 Resp: 252108
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 44.435 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028643.D
Acq: 12 Dec 2018 11:32

Tgt Ion: 95 Resp: 81529
Ion Ratio Lower Upper
95 100
174 78.4 0.0 150.4
176 73.7 0.0 145.2

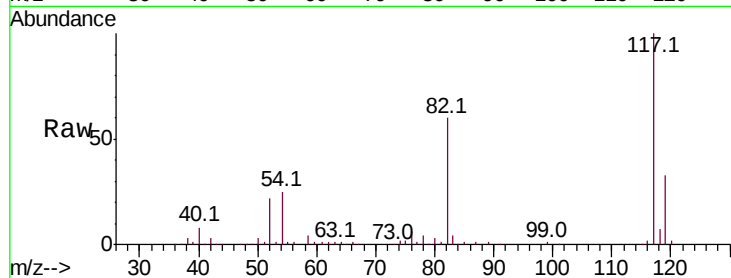




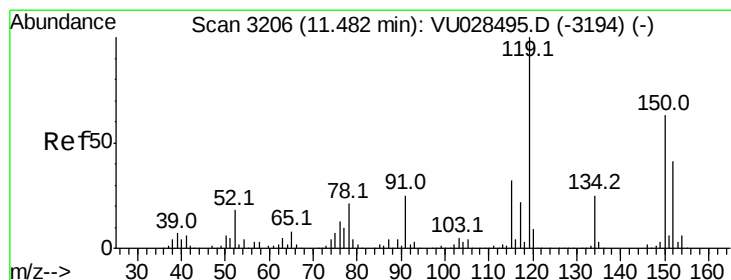
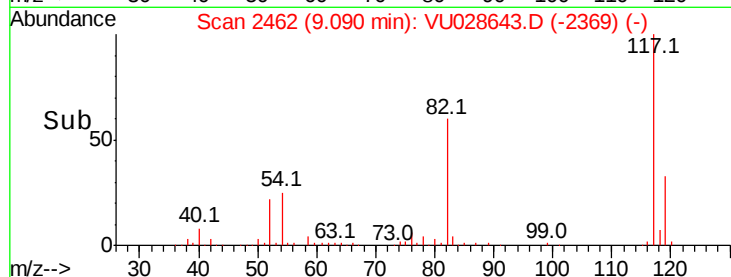
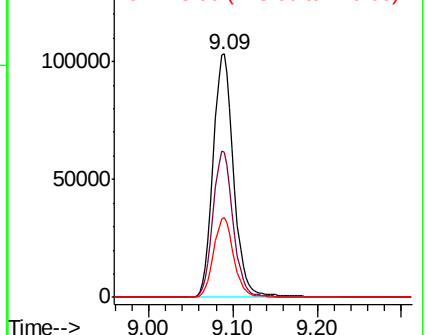
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028643.D
Acq: 12 Dec 2018 11:32

Instrument :
MSVOA_U
ClientSampleId :
P001-RB-181210

Tot Ion:117 Resp: 174709
Ion Ratio Lower Upper
117 100
82 59.5 48.9 73.3
119 33.0 26.2 39.4

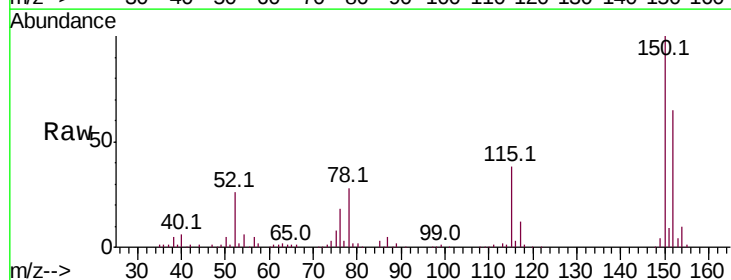


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

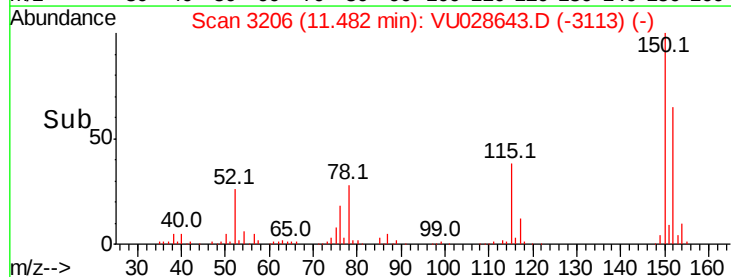
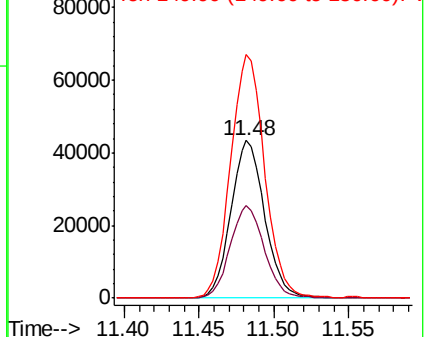


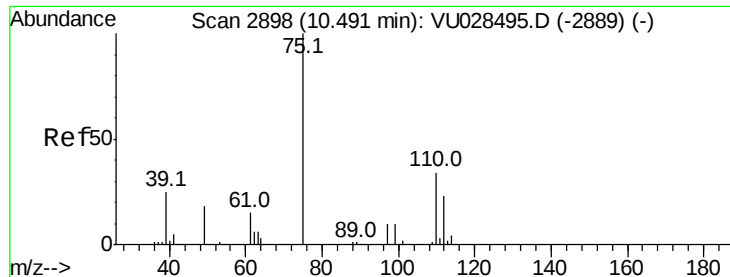
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028643.D
Acq: 12 Dec 2018 11:32

Tgt Ion:152 Resp: 68361
Ion Ratio Lower Upper
152 100
115 59.2 42.7 128.1
150 155.6 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: 23.482 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

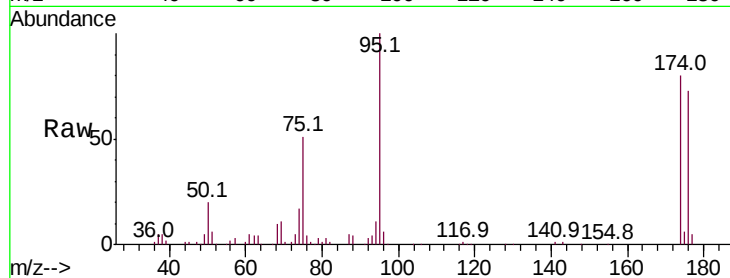
P001-RB-181210

Tot Ion: 75 Resp: 40990

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

30000

25000

20000

15000

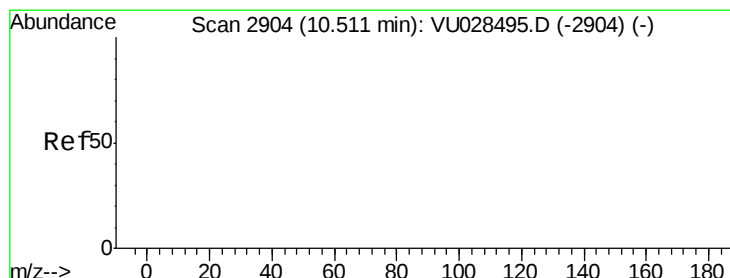
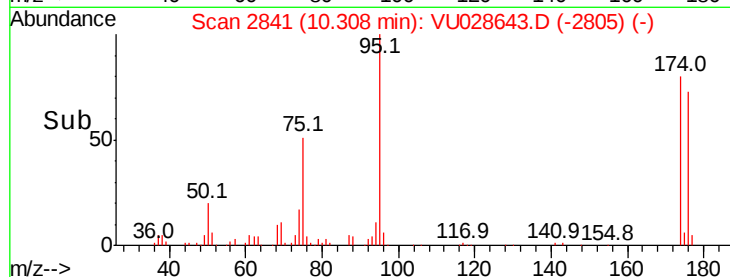
10000

5000

0

10.25 10.30 10.35

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.653 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028643.D

Acq: 12 Dec 2018 11:32

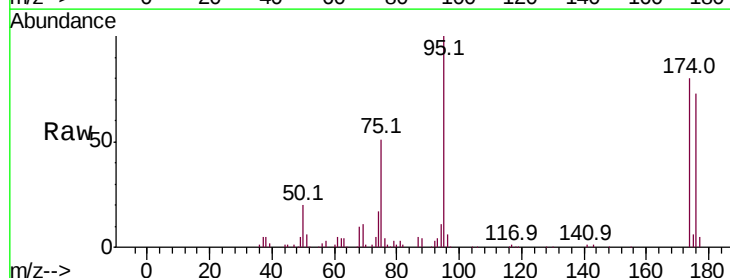
Tgt Ion: 75 Resp: 40990

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

30000

25000

20000

15000

10000

5000

0

10.25 10.30 10.35

Time-->

