

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100418\
 Data File : VU027381.D
 Acq On : 04 Oct 2018 01:22
 Operator : MD/SY
 Sample : J5163-02DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

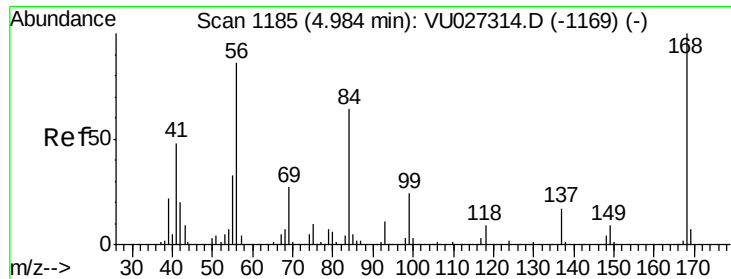
Quant Time: Oct 04 07:37:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	92022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	164064	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76858	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	98428	64.06	ug/l	0.00
Spiked Amount			Recovery	=	128.12%	
35) Dibromofluoromethane	4.88	113	68526	60.95	ug/l	0.00
Spiked Amount			Recovery	=	121.90%	
50) Toluene-d8	7.57	98	250372	59.50	ug/l	0.00
Spiked Amount			Recovery	=	119.00%	
62) 4-Bromofluorobenzene	10.31	95	83708	53.52	ug/l	0.00
Spiked Amount			Recovery	=	107.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.86	64	267	0.263	ug/l #	84
11) Tert butyl alcohol	2.83	59	71095	219.711	ug/l	99
14) Allyl chloride	2.83	41	18354	7.952	ug/l #	61
15) Acrylonitrile	3.00	53	1317	1.564	ug/l #	20
16) Acetone	2.32	43	1112	1.225	ug/l #	87
18) Methyl Acetate	2.45	43	638	0.308	ug/l #	56
19) Methyl tert-butyl Ether	3.00	73	103807	26.653	ug/l	99
20) Methylene Chloride	2.70	84	1272	1.006	ug/l	96
31) Cyclohexane	4.99	56	2254	0.680	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8431	4.733	ug/l #	46
38) Carbon Tetrachloride	4.99	117	9045	5.621	ug/l #	18
43) Isopropyl Acetate	5.54	43	5962	1.667	ug/l #	63
48) Methyl methacrylate	6.60	41	642	0.361	ug/l #	31
76) 1,2,3-Trichloropropane	10.31	75	44514	22.343	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	44514	58.473	ug/l #	100

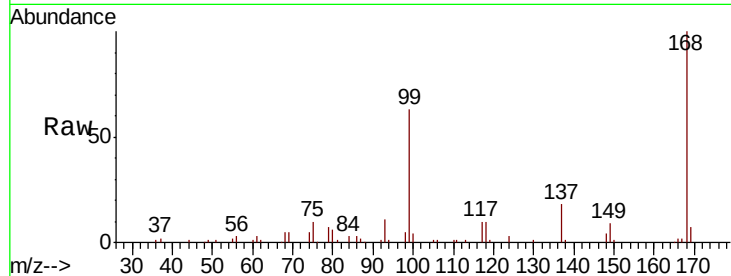
(#) = qualifier out of range (m) = manual integration (+) = signals summed



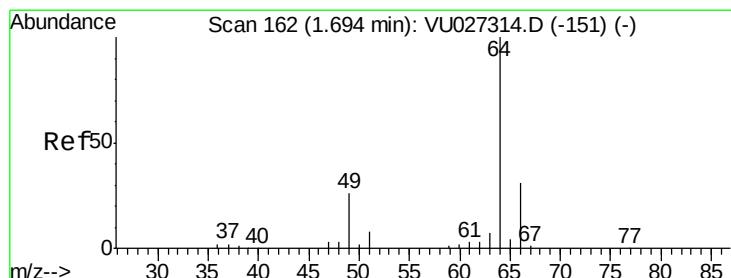
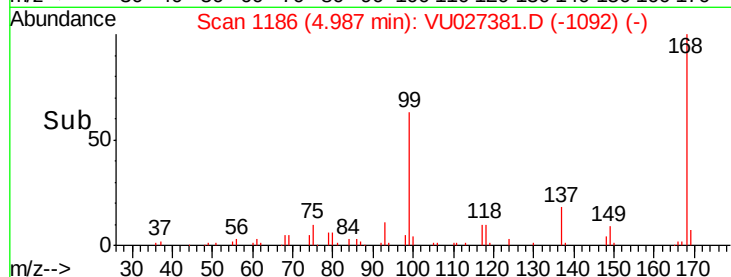
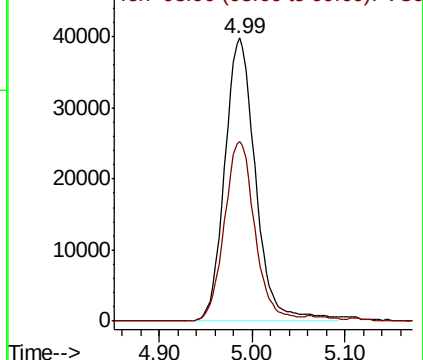
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU027381.D
Acq: 04 Oct 2018 01:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 92022
Ion Ratio Lower Upper
168 100
99 63.4 50.8 76.2

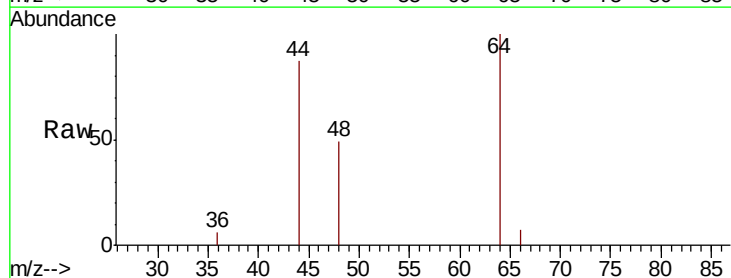


Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

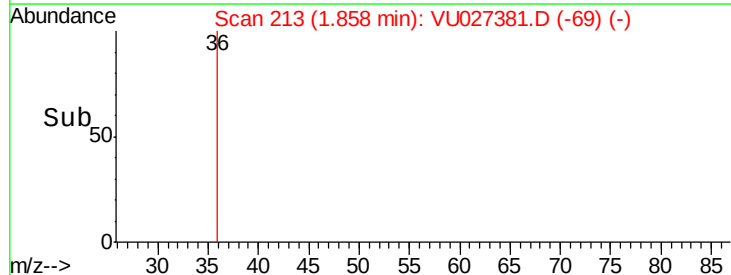
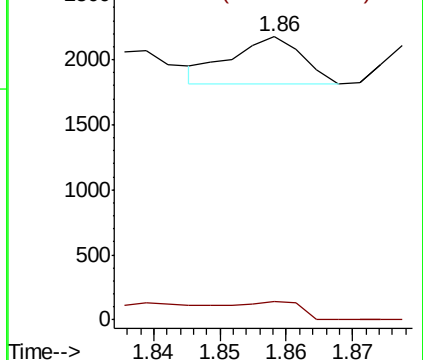


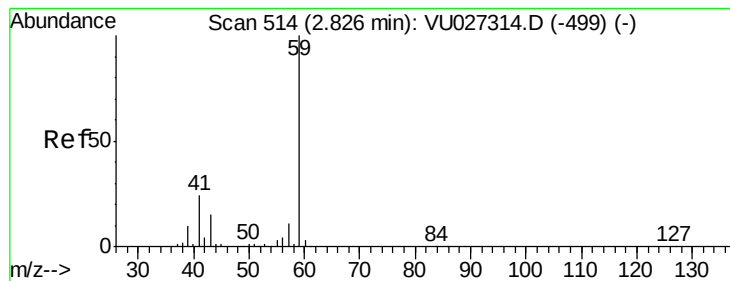
#6
Chloroethane
Concen: 0.263 ug/l
RT: 1.86 min Scan# 213
Delta R.T. 0.16 min
Lab File: VU027381.D
Acq: 04 Oct 2018 01:22

Tgt Ion: 64 Resp: 267
Ion Ratio Lower Upper
64 100
66 39.6 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)
Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)





#11

Tert butyl alcohol

Concen: 219.711 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU027381.D

Acq: 04 Oct 2018 01:22

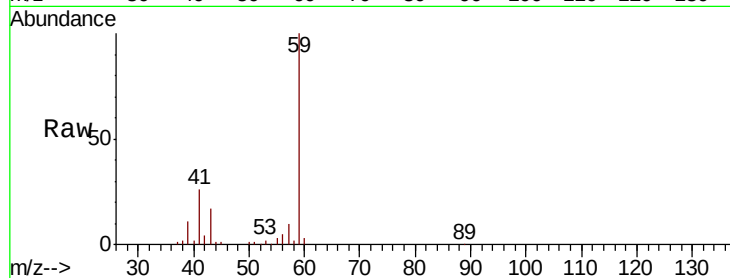
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 59 Resp: 71095

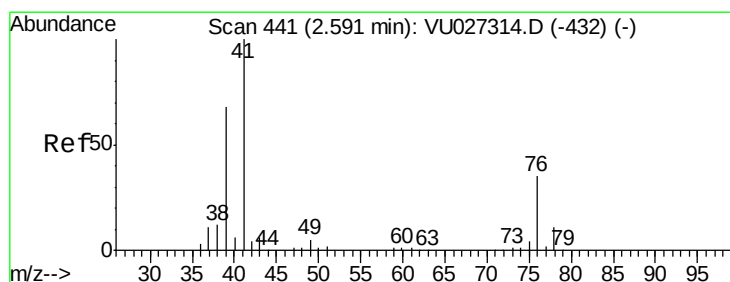
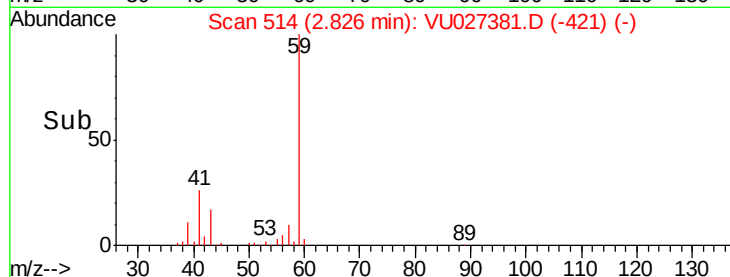
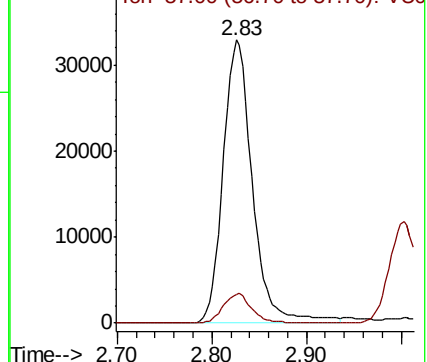
Ion Ratio Lower Upper

59 100

57 10.0 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



#14

Allyl chloride

Concen: 7.952 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.23 min

Lab File: VU027381.D

Acq: 04 Oct 2018 01:22

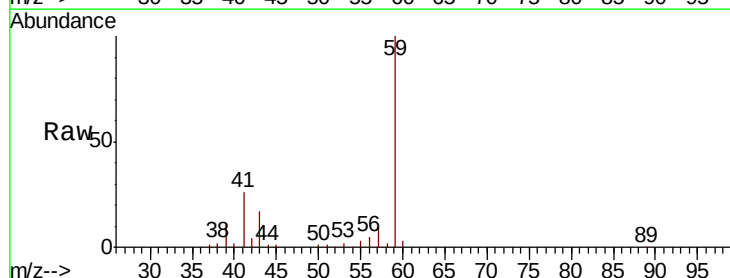
Tgt Ion: 41 Resp: 18354

Ion Ratio Lower Upper

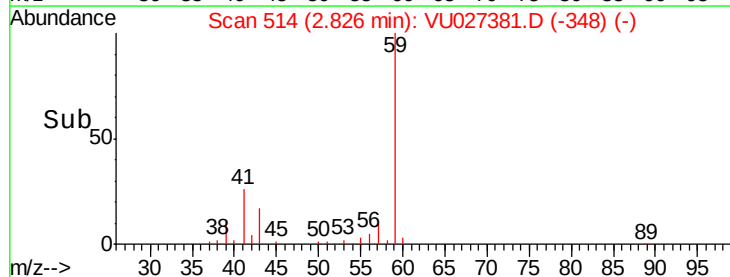
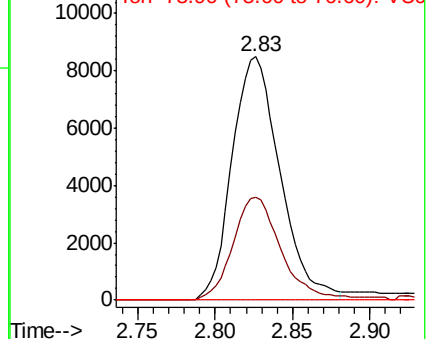
41 100

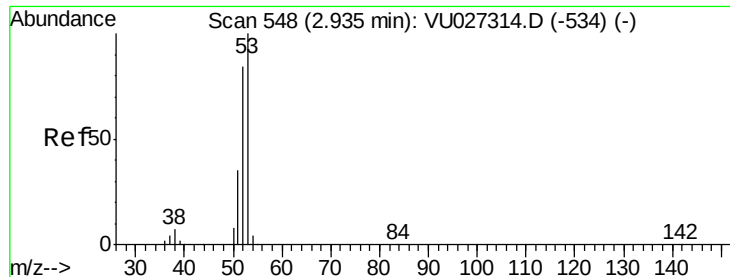
39 41.8 51.8 77.8#

76 0.0 25.9 38.9#



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 1.564 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.07 min

Lab File: VU027381.D

Acq: 04 Oct 2018 01:22

Instrument :

MSVOA_U

ClientSampleId :

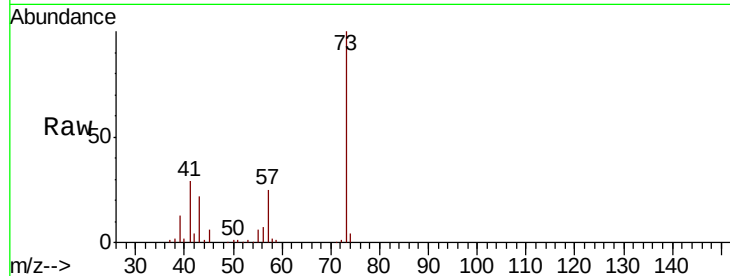
Tot Ion: 53 Resp: 1317

Ion Ratio Lower Upper

53 100

52 12.8 66.5 99.7#

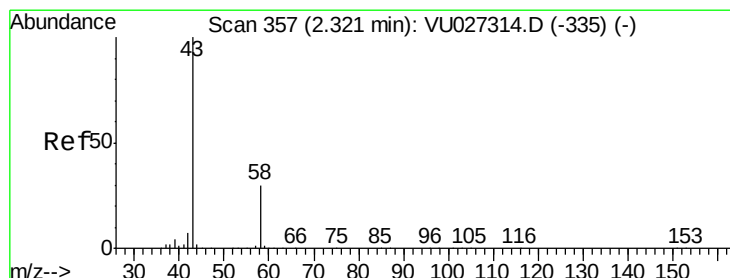
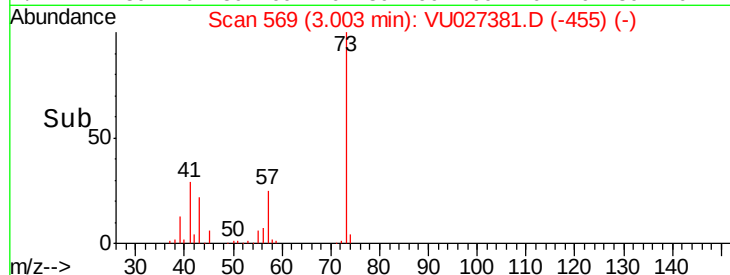
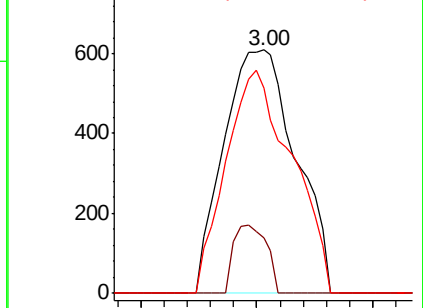
51 84.3 27.6 41.4#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 1.225 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027381.D

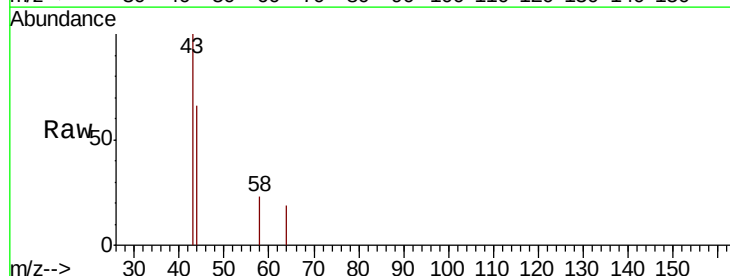
Acq: 04 Oct 2018 01:22

Tgt Ion: 43 Resp: 1112

Ion Ratio Lower Upper

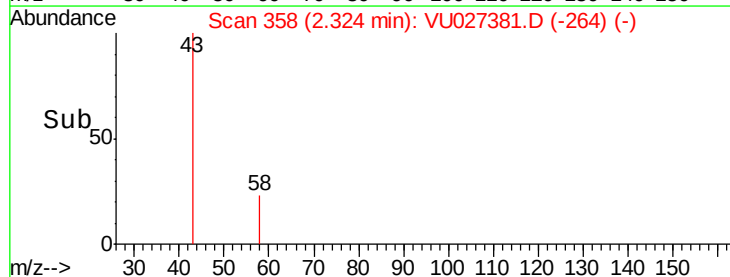
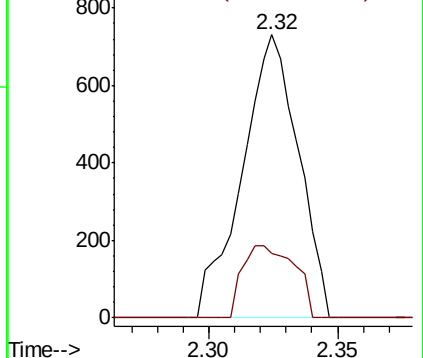
43 100

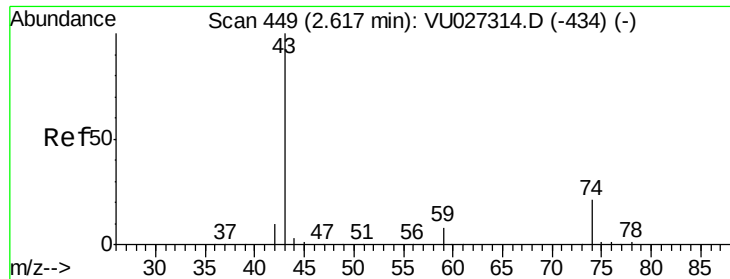
58 23.0 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

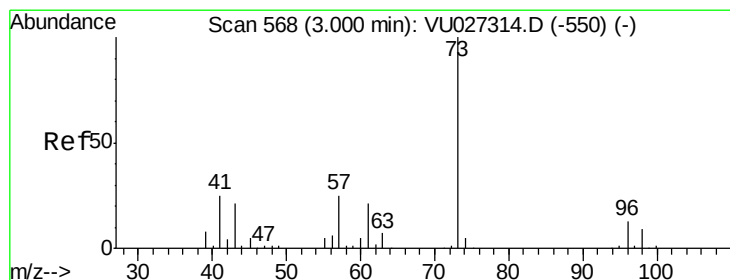
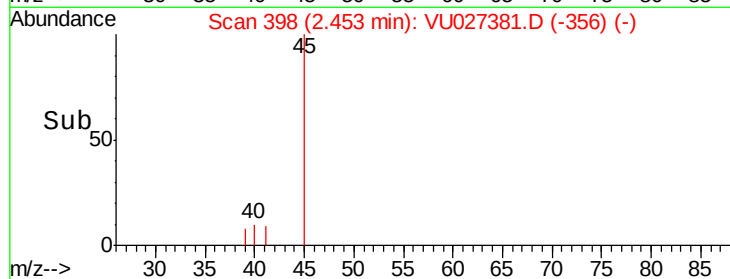
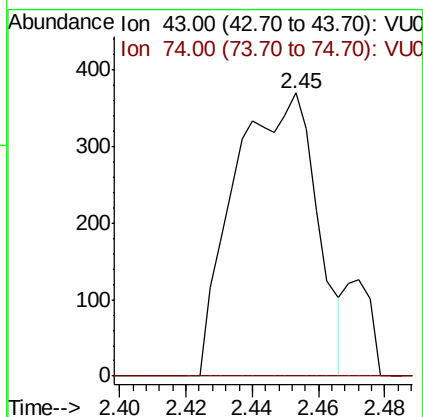
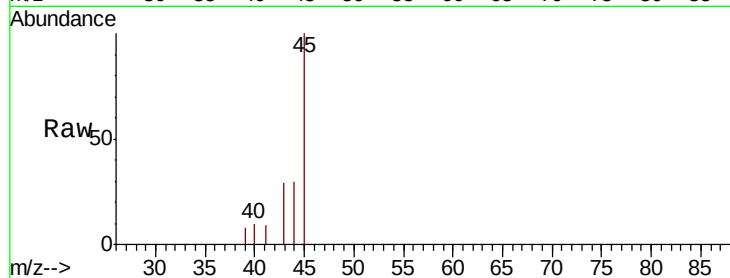




#18
Methyl Acetate
Concen: 0.308 ug/l
RT: 2.45 min Scan# 398
Delta R.T. -0.16 min
Lab File: VU027381.D
Acq: 04 Oct 2018 01:22

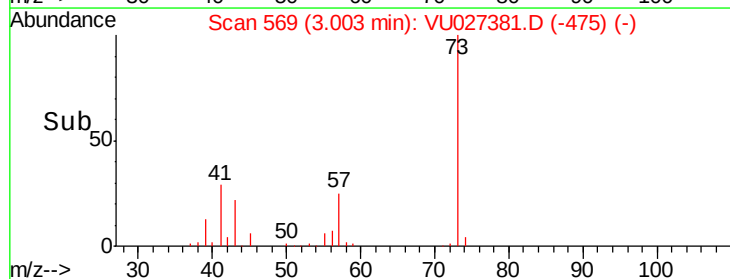
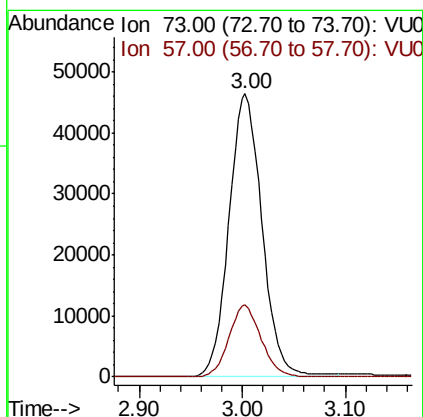
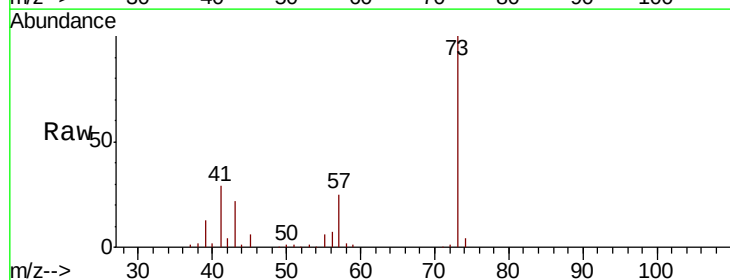
Instrument :
MSVOA_U
ClientSampleId :

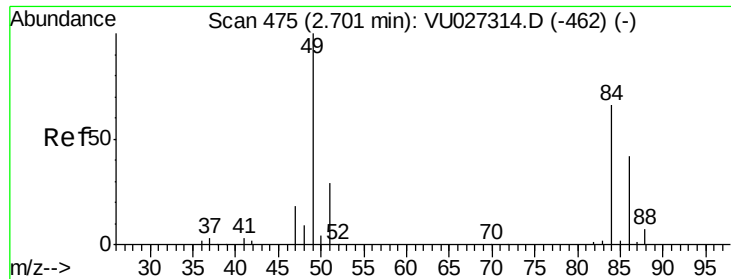
Tot Ion: 43 Resp: 638
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#19
Methyl tert-butyl Ether
Concen: 26.653 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027381.D
Acq: 04 Oct 2018 01:22

Tgt Ion: 73 Resp: 103807
Ion Ratio Lower Upper
73 100
57 25.4 20.0 30.0

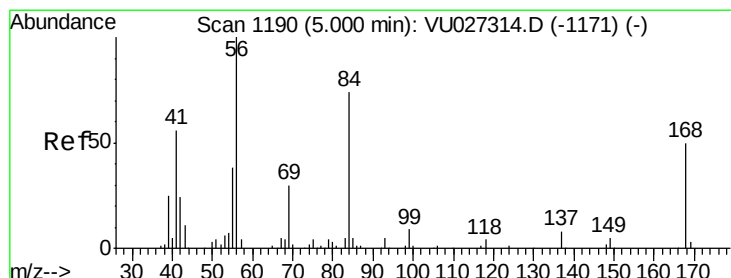
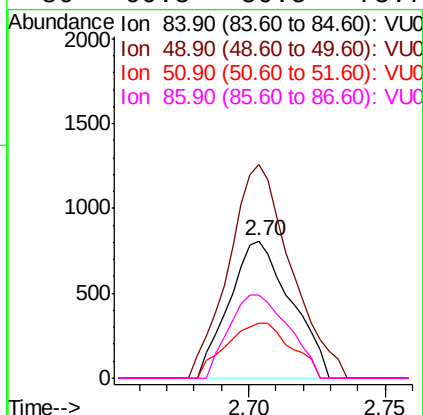
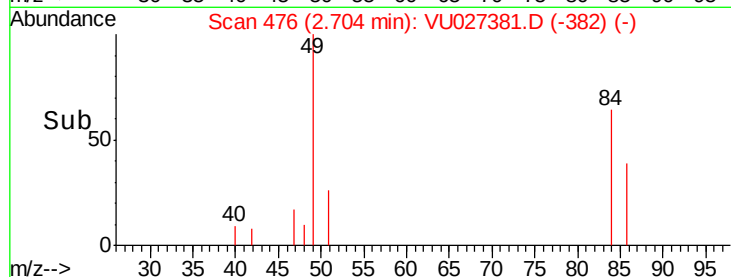
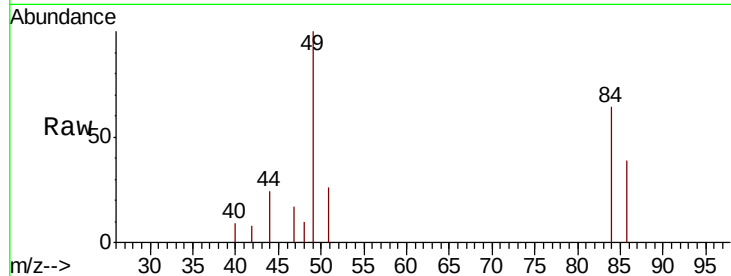




#20
Methylene Chloride
Concen: 1.006 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027381.D
Acq: 04 Oct 2018 01:22

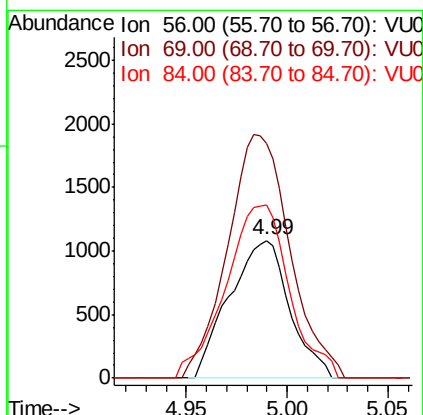
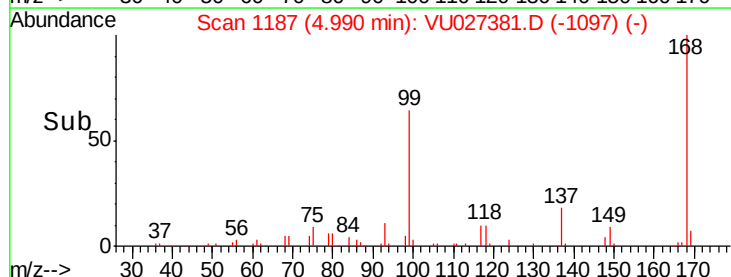
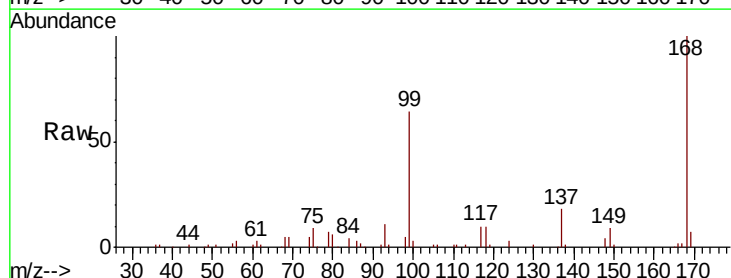
Instrument :
MSVOA_U
ClientSampleId :

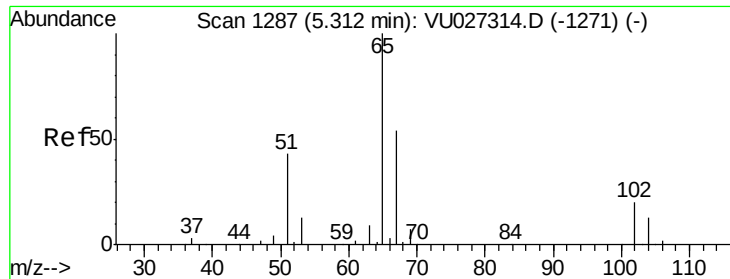
Tot Ion:	84	Resp:	1272
Ion	Ratio	Lower	Upper
84	100		
49	156.0	120.5	180.7
51	40.1	35.1	52.7
86	60.5	50.5	75.7



#31
Cyclohexane
Concen: 0.680 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU027381.D
Acq: 04 Oct 2018 01:22

Tgt Ion:	56	Resp:	2254
Ion	Ratio	Lower	Upper
56	100		
69	160.3	24.1	36.1#
84	125.8	59.1	88.7#

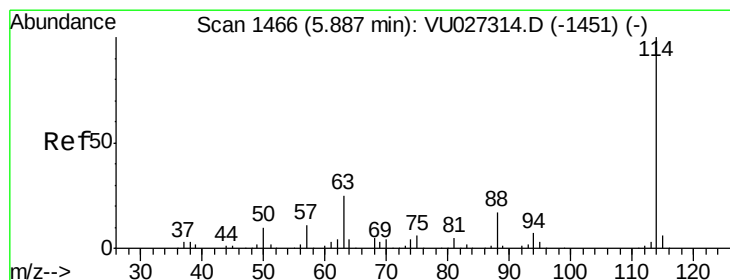
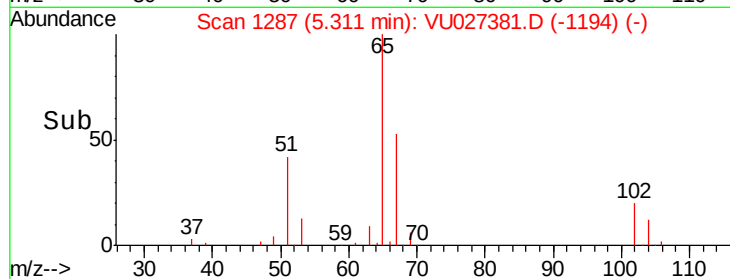
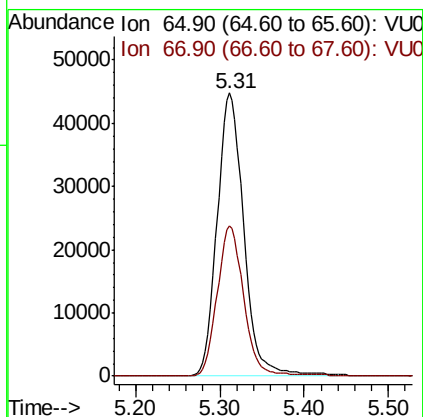
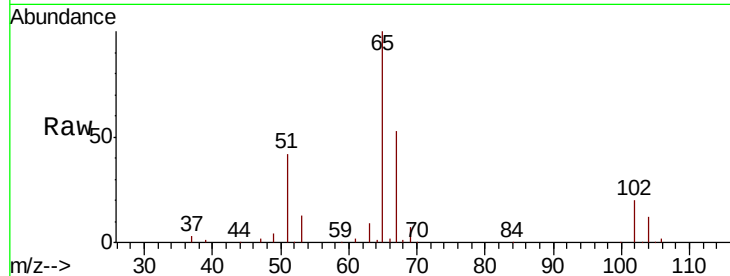




#33
 1,2-Dichloroethane-d4
 Concen: 64.055 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027381.D
 Acq: 04 Oct 2018 01:22

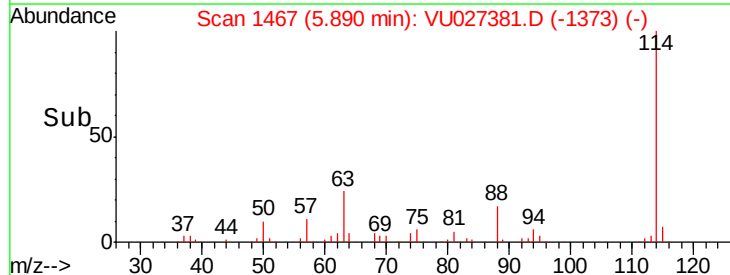
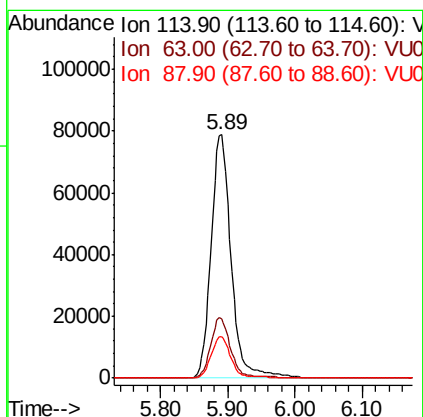
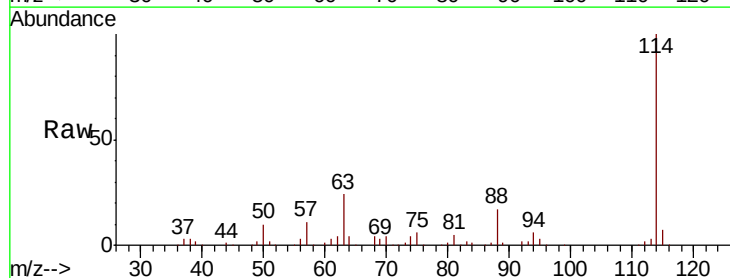
Instrument :
 MSVOA_U
 ClientSampled :

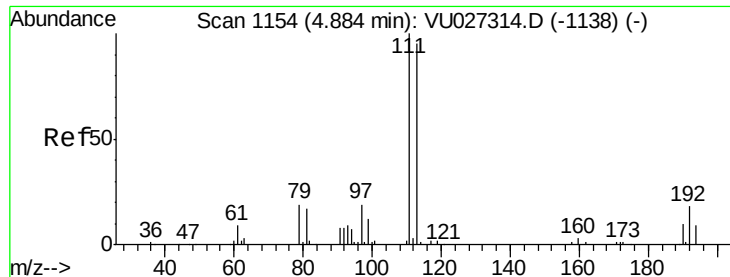
Tot Ion: 65 Resp: 98428
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027381.D
 Acq: 04 Oct 2018 01:22

Tgt Ion: 114 Resp: 164064
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 50.2
 88 17.2 0.0 33.8

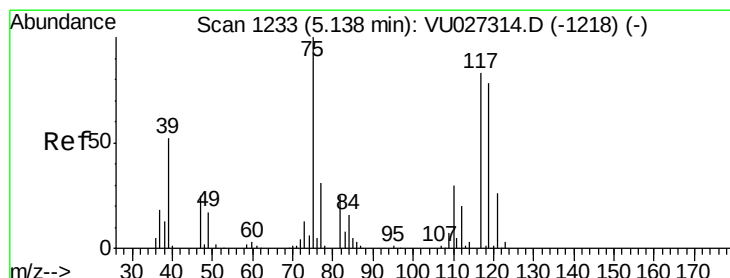
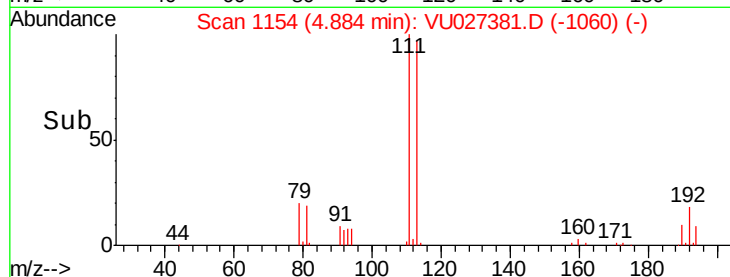
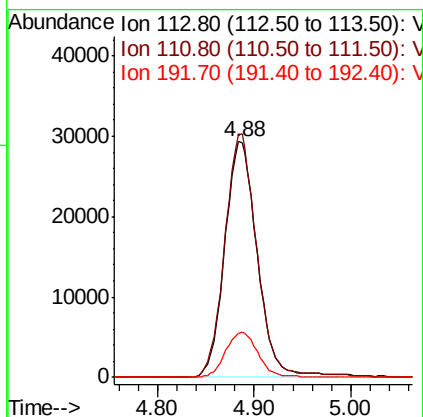
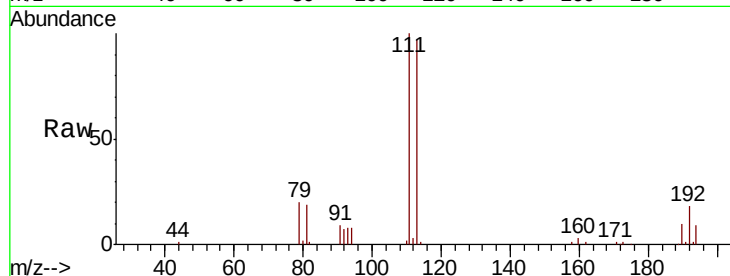




#35
 Dibromofluoromethane
 Concen: 60.946 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027381.D
 Acq: 04 Oct 2018 01:22

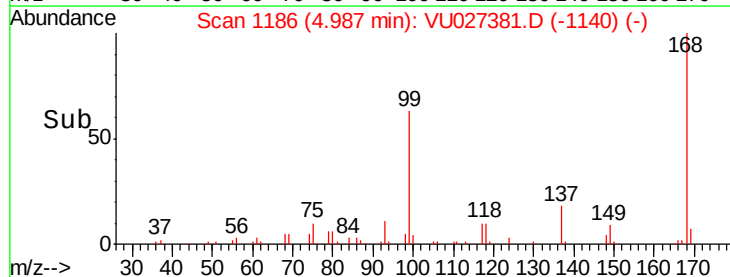
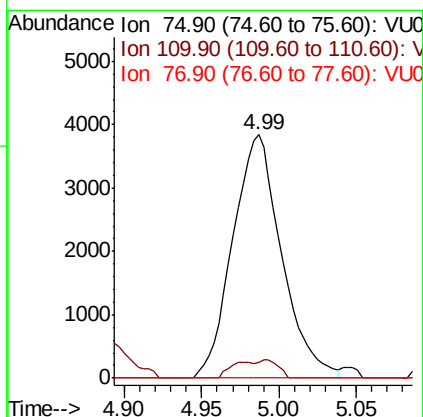
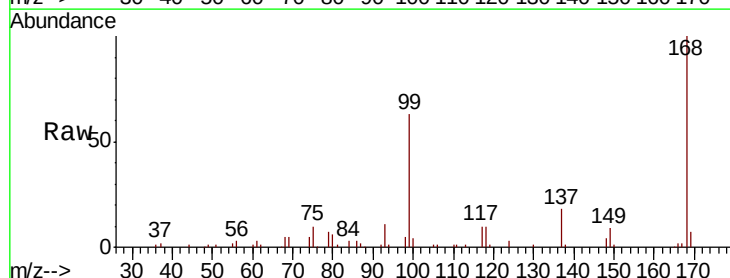
Instrument :
 MSVOA_U
 ClientSampleId :

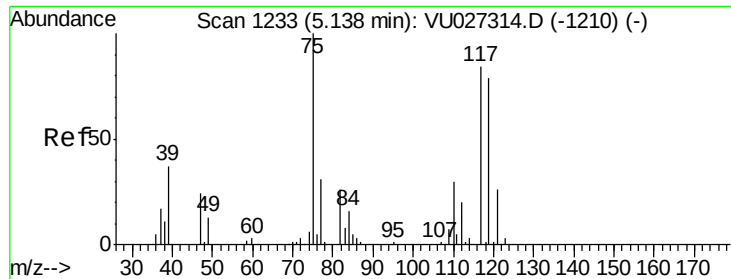
Tot Ion:113 Resp: 68526
 Ion Ratio Lower Upper
 113 100
 111 101.0 83.1 124.7
 192 19.0 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 4.733 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027381.D
 Acq: 04 Oct 2018 01:22

Tgt Ion: 75 Resp: 8431
 Ion Ratio Lower Upper
 75 100
 110 3.3 15.5 46.5#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 5.621 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027381.D

Acq: 04 Oct 2018 01:22

Instrument :

MSVOA_U

ClientSampled :

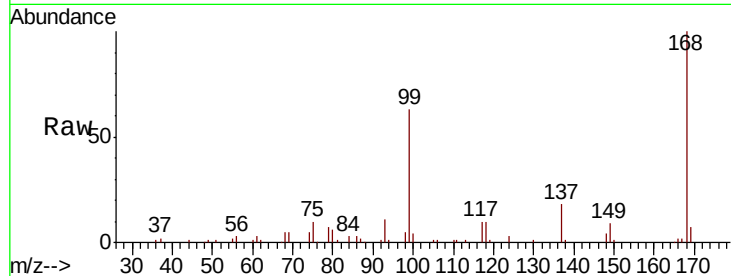
Tot Ion:117 Resp: 9045

Ion Ratio Lower Upper

117 100

119 6.8 74.5 111.7#

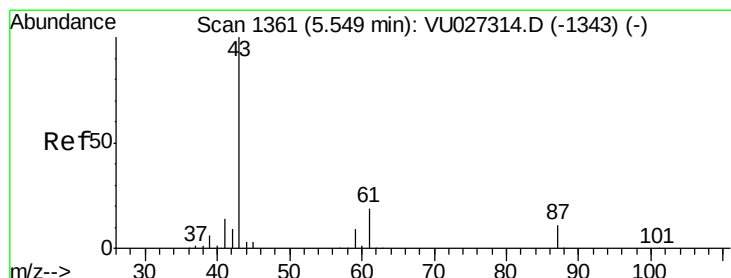
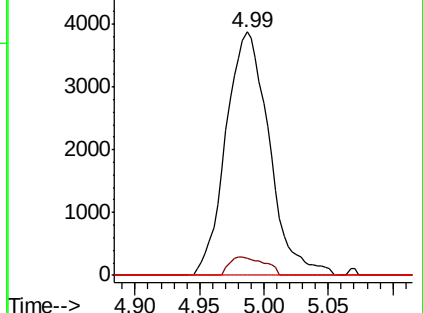
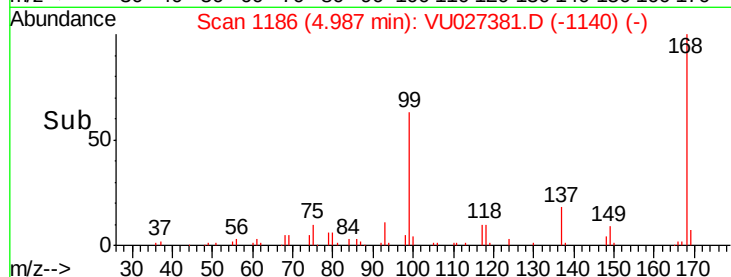
121 0.0 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 1.667 ug/l

RT: 5.54 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VU027381.D

Acq: 04 Oct 2018 01:22

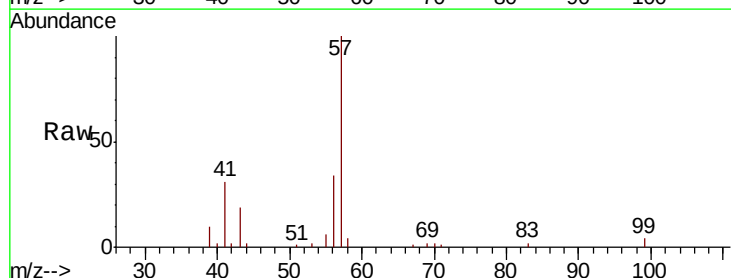
Tgt Ion: 43 Resp: 5962

Ion Ratio Lower Upper

43 100

61 0.0 15.3 22.9#

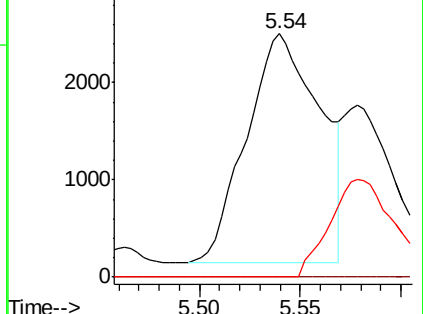
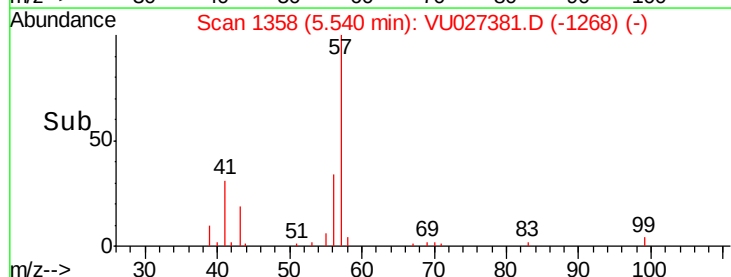
87 0.0 8.6 13.0#

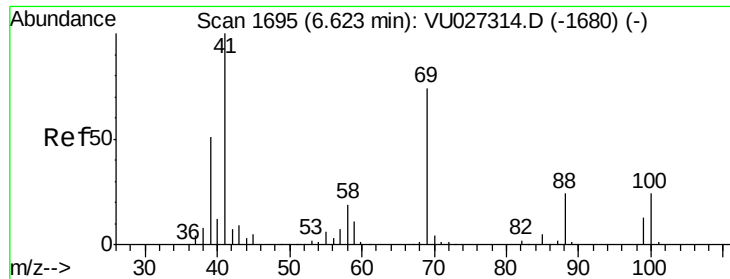


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

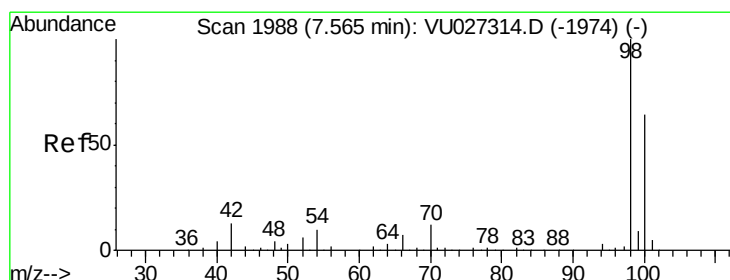
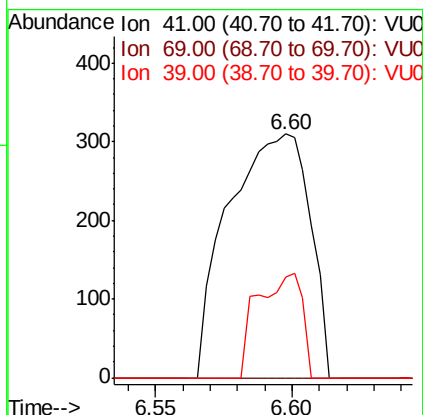
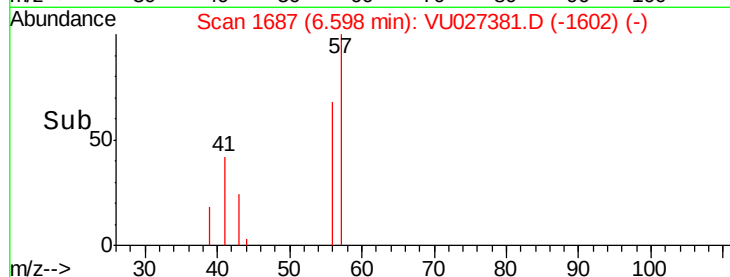
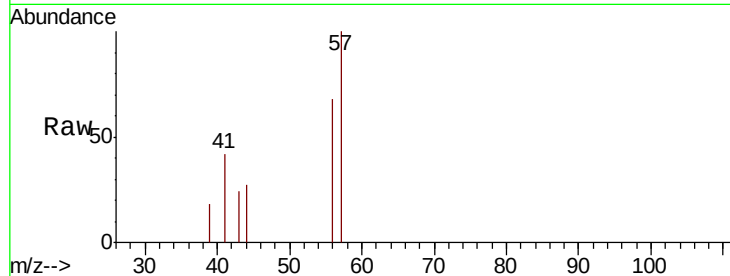




#48
Methvl methacrylate
Concen: 0.361 ug/l
RT: 6.60 min Scan# 1687
Delta R.T. -0.03 min
Lab File: VU027381.D
Acq: 04 Oct 2018 01:22

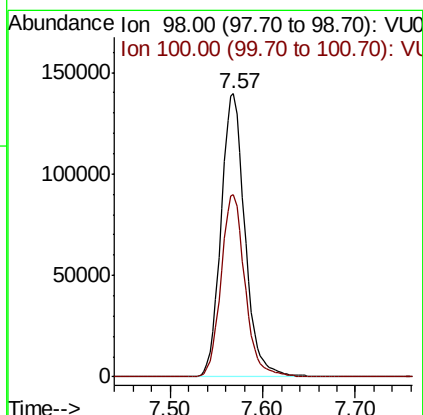
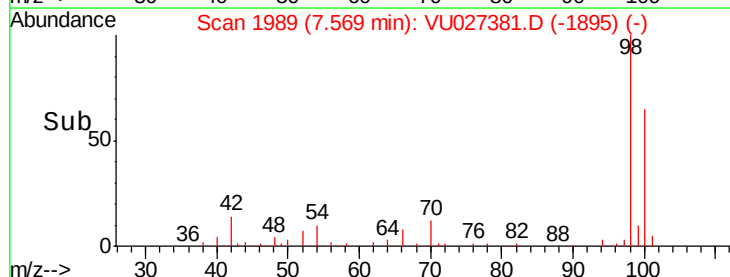
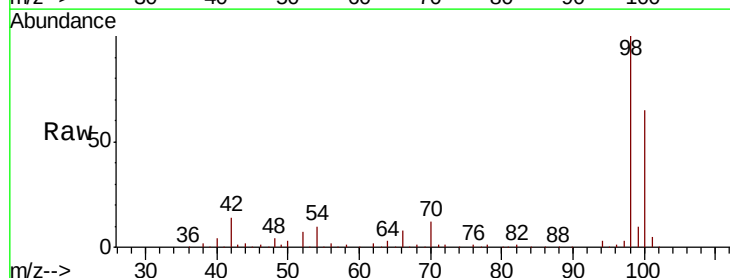
Instrument :
MSVOA_U
ClientSampleId :

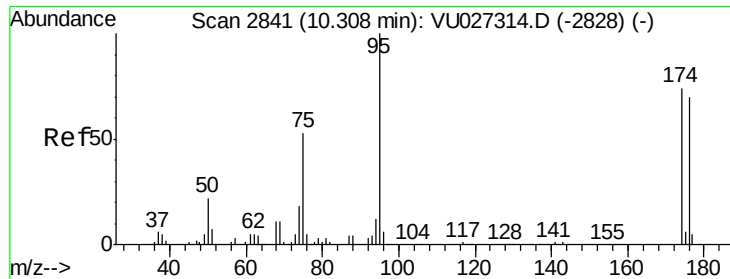
Tot Ion: 41 Resp: 642
Ion Ratio Lower Upper
41 100
69 0.0 61.0 91.4#
39 23.4 39.9 59.9#



#50
Toluene-d8
Concen: 59.496 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027381.D
Acq: 04 Oct 2018 01:22

Tgt Ion: 98 Resp: 250372
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1

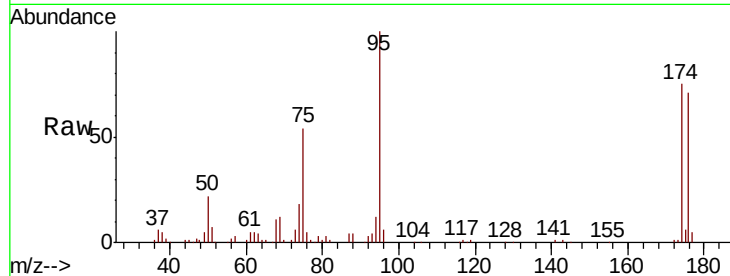




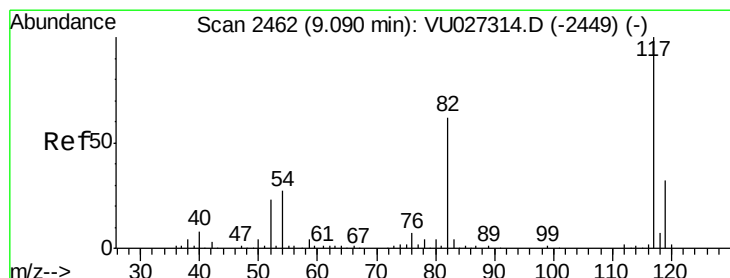
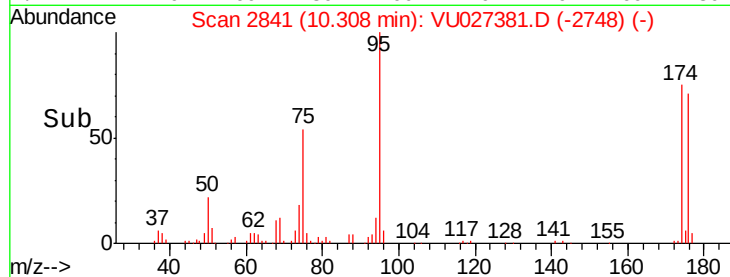
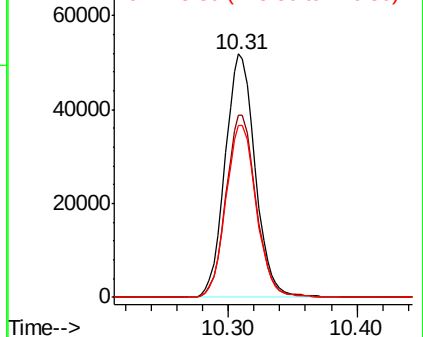
#62
4-Bromofluorobenzene
Concen: 53.524 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027381.D
Acq: 04 Oct 2018 01:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 83708
Ion Ratio Lower Upper
95 100
174 75.2 0.0 147.8
176 71.8 0.0 140.8

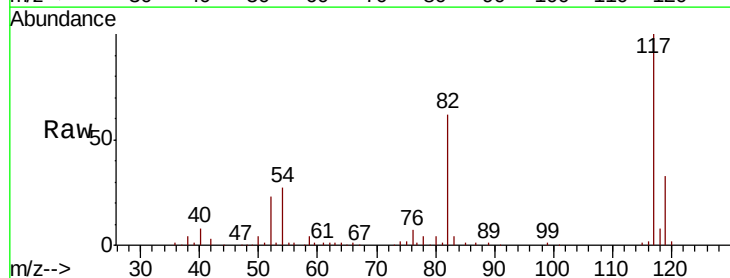


Abundance Ion 94.90 (94.60 to 95.60): VU027381.D (-2748) (-)
Ion 173.80 (173.50 to 174.50): VU027381.D (-2748) (-)
Ion 175.80 (175.50 to 176.50): VU027381.D (-2748) (-)

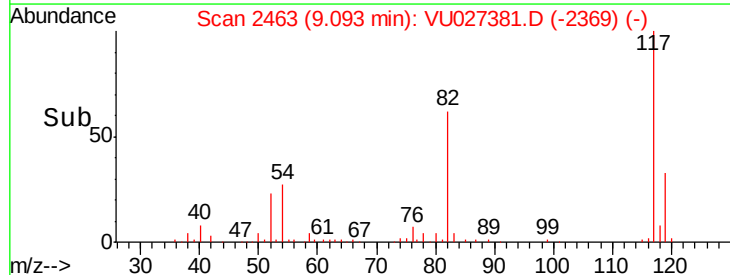
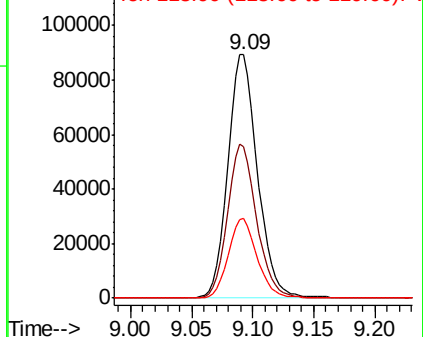


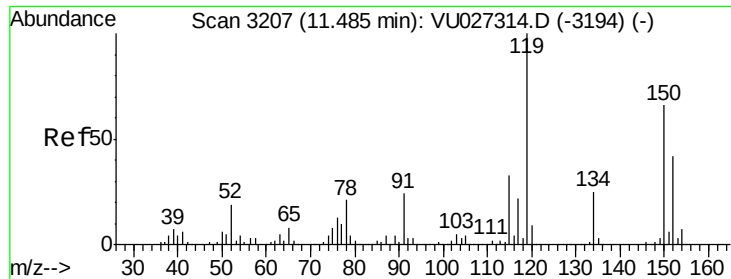
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027381.D
Acq: 04 Oct 2018 01:22

Tgt Ion: 117 Resp: 151823
Ion Ratio Lower Upper
117 100
82 61.9 49.2 73.8
119 32.6 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VU027381.D (-2369) (-)
Ion 82.00 (81.70 to 82.70): VU027381.D (-2369) (-)
Ion 118.90 (118.60 to 119.60): VU027381.D (-2369) (-)

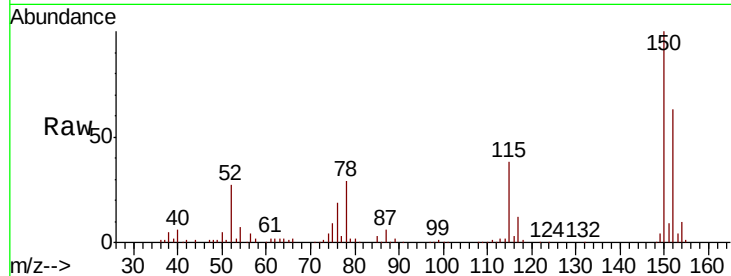




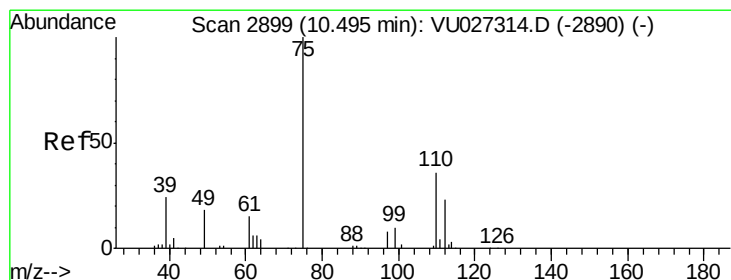
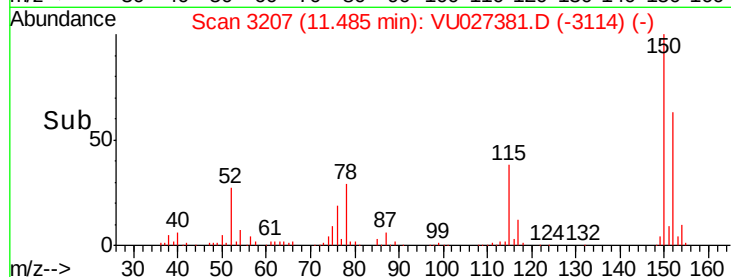
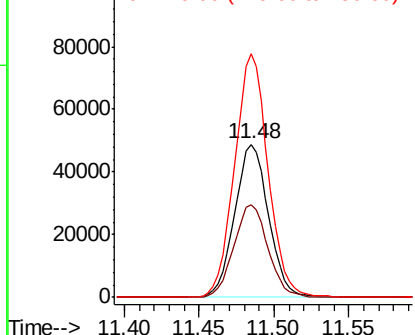
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU027381.D
 Acq: 04 Oct 2018 01:22

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:152 Resp: 76858
 Ion Ratio Lower Upper
 152 100
 115 61.4 43.4 130.2
 150 157.6 0.0 349.2

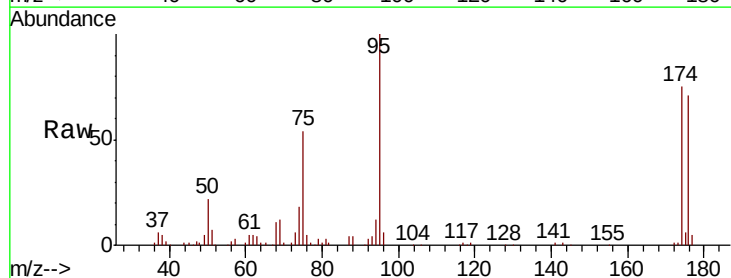


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

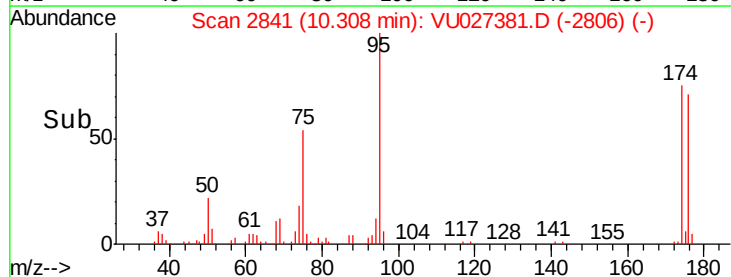
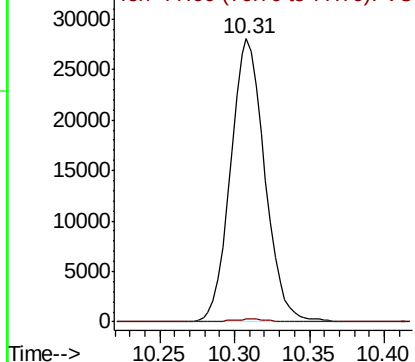


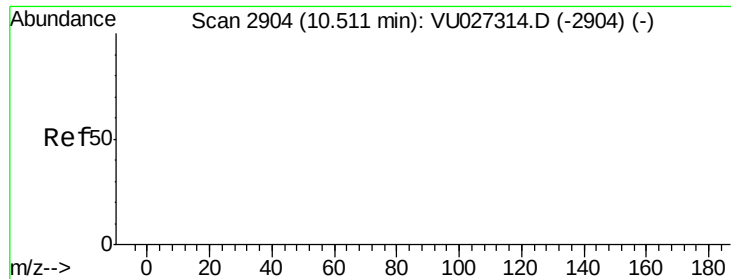
#76
 1,2,3-Trichloropropane
 Concen: 22.343 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027381.D
 Acq: 04 Oct 2018 01:22

Tgt Ion: 75 Resp: 44514
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.3 60.9#



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: 58.473 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027381.D
 Acq: 04 Oct 2018 01:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

