

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024795.D
 Acq On : 21 Jun 2018 07:17
 Operator : MD/SY
 Sample : J3585-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-01

Quant Time: Jun 21 08:00:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

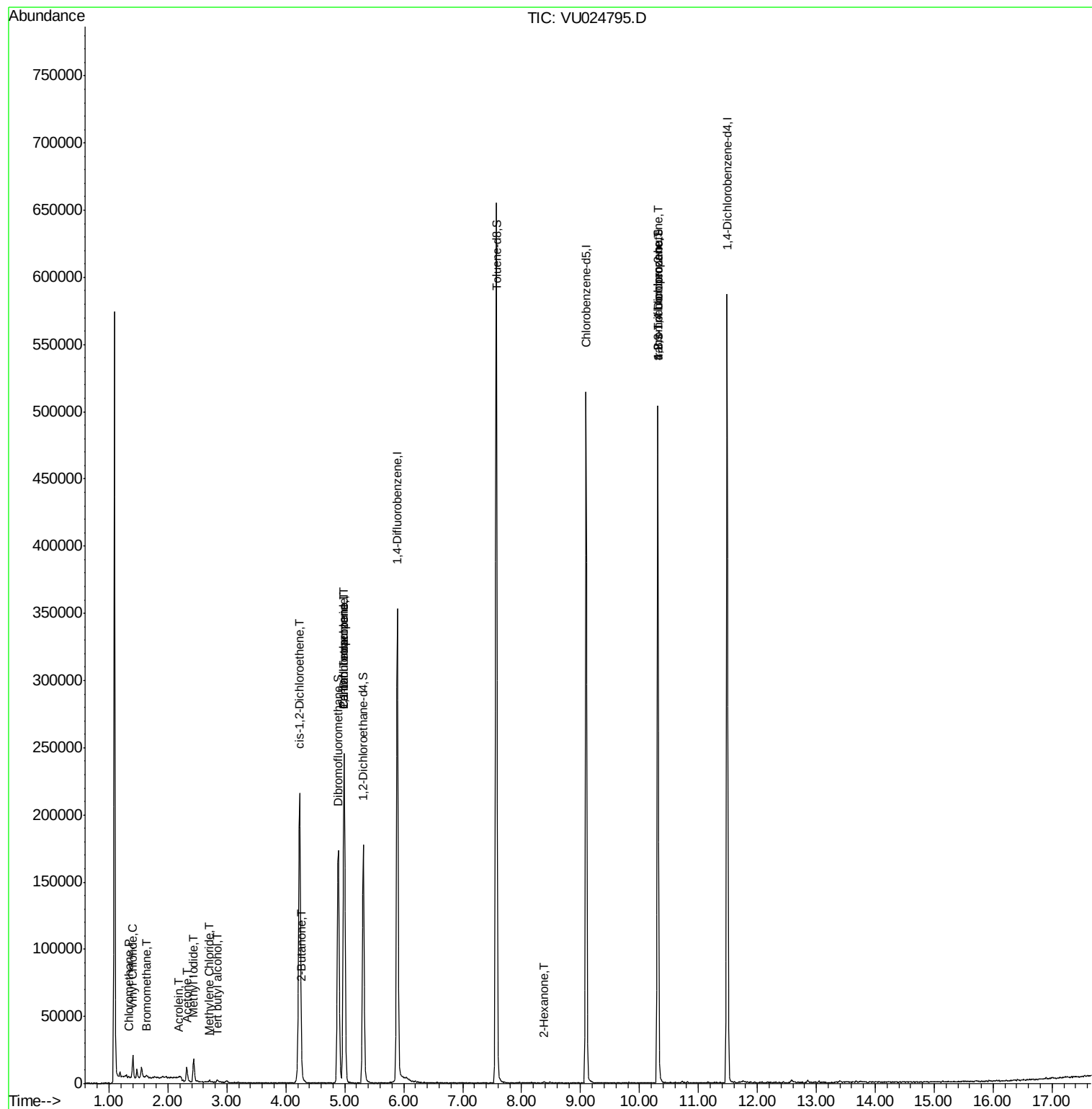
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	193530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299890	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151936	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	137016	43.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.74%	
35) Dibromofluoromethane	4.89	113	116284	46.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.44%	
50) Toluene-d8	7.57	98	436456	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	10.31	95	157145	43.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.20%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	982	0.397	ug/l #	87
4) Vinyl Chloride	1.40	62	9519	3.730	ug/l	94
5) Bromomethane	1.64	94	472	0.383	ug/l	97
6) Chloroethane	1.68	64	186	Below Cal	#	43
10) Methyl Iodide	2.42	142	20	5.297	ug/l #	40
11) Tert butyl alcohol	2.83	59	576	0.750	ug/l #	82
13) Acrolein	2.19	56	264	0.654	ug/l #	80
16) Acetone	2.32	43	11636	6.855	ug/l	94
20) Methylene Chloride	2.71	84	547	0.205	ug/l	86
25) 2-Butanone	4.27	43	3778	1.657	ug/l #	88
27) cis-1,2-Dichloroethene	4.23	96	122633	43.950	ug/l	86
31) Cyclohexane	4.99	56	4001	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13460	3.820	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18436	4.757	ug/l #	15
59) 2-Hexanone	8.38	43	915	0.269	ug/l #	51
76) 1,2,3-Trichloropropane	10.31	75	82644	24.706	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	82644	57.180	ug/l #	100

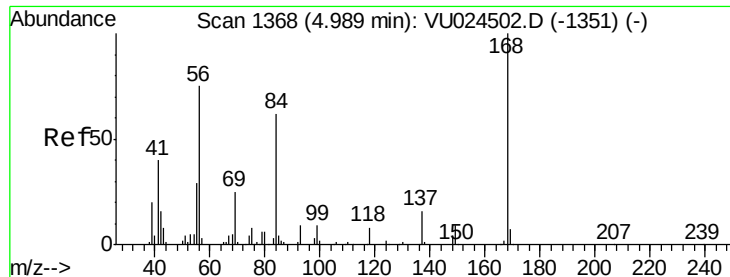
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

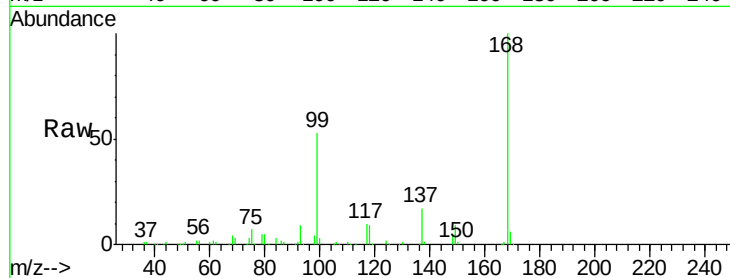
DUP-01

Tgt Ion:168 Resp: 193530

Ion Ratio Lower Upper

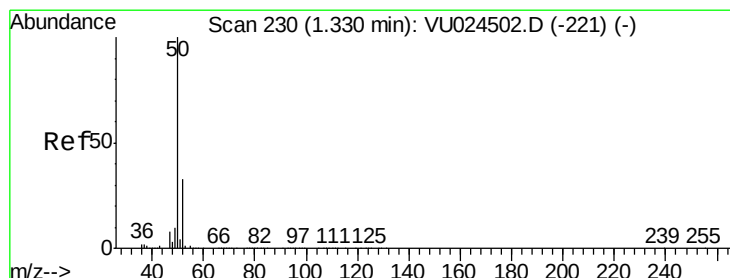
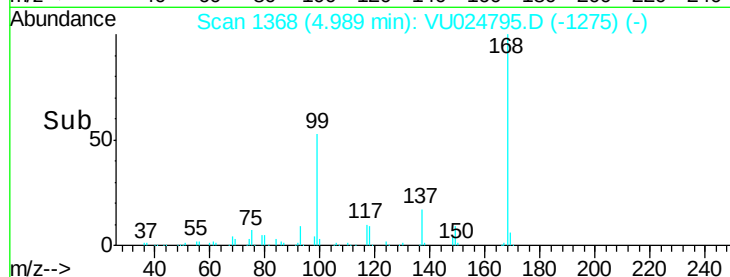
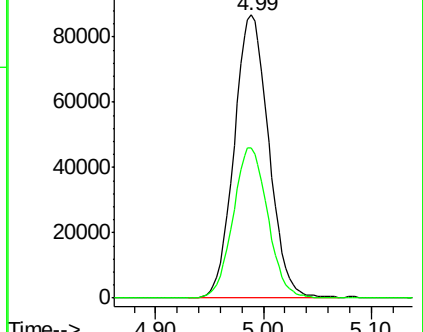
168 100

99 52.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.397 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024795.D

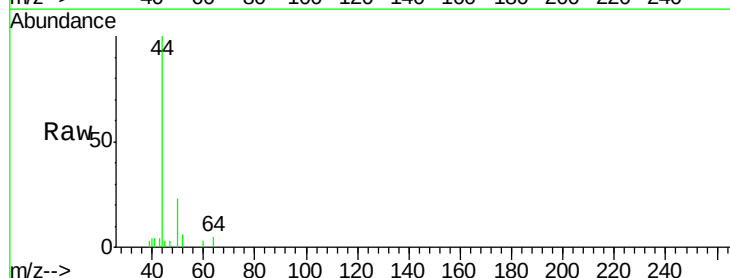
Acq: 21 Jun 2018 07:17

Tgt Ion: 50 Resp: 982

Ion Ratio Lower Upper

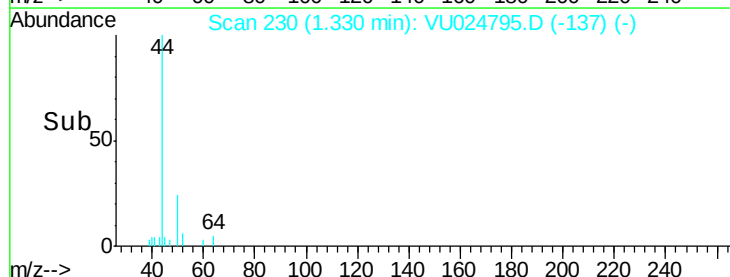
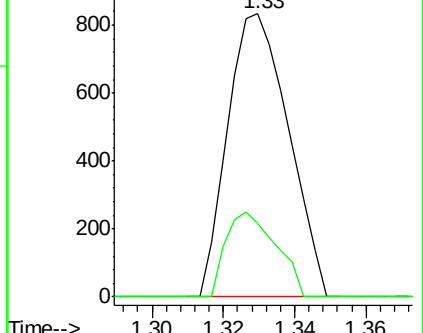
50 100

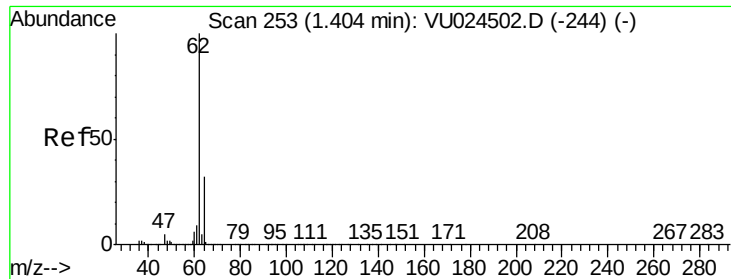
52 25.9 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#4

Vinyl Chloride

Concen: 3.730 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

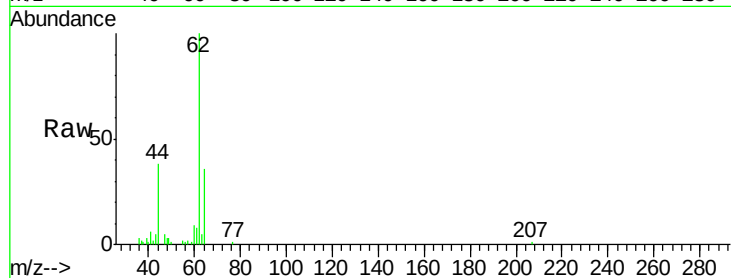
DUP-01

Tgt Ion: 62 Resp: 9519

Ion Ratio Lower Upper

62 100

64 34.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

10000

8000

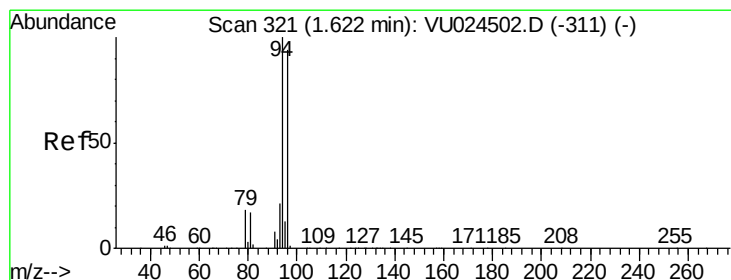
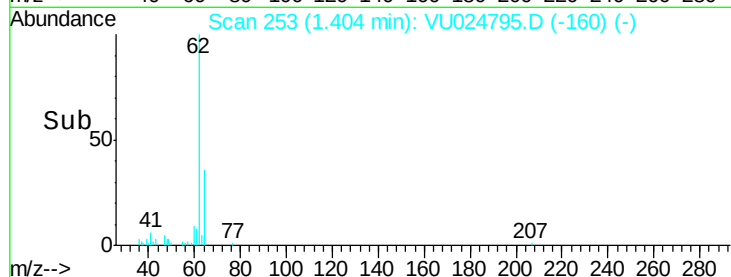
6000

4000

2000

0

Time-->



#5

Bromomethane

Concen: 0.383 ug/l

RT: 1.64 min Scan# 327

Delta R.T. 0.02 min

Lab File: VU024795.D

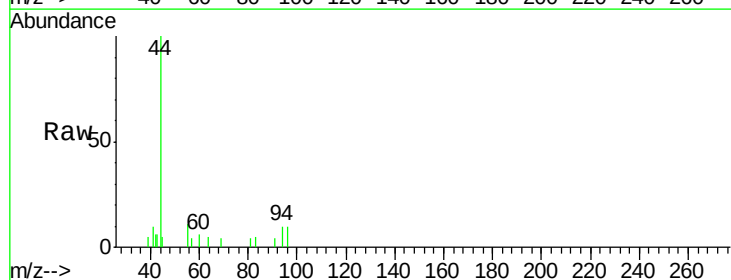
Acq: 21 Jun 2018 07:17

Tgt Ion: 94 Resp: 472

Ion Ratio Lower Upper

94 100

96 95.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.64

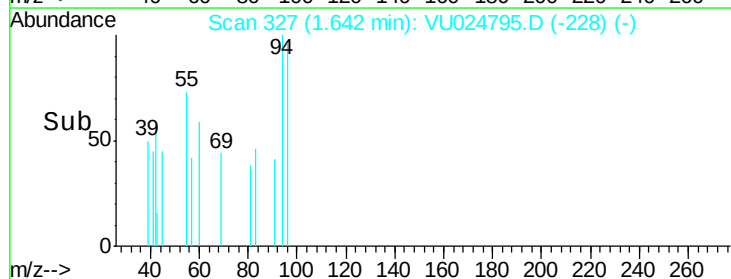
300

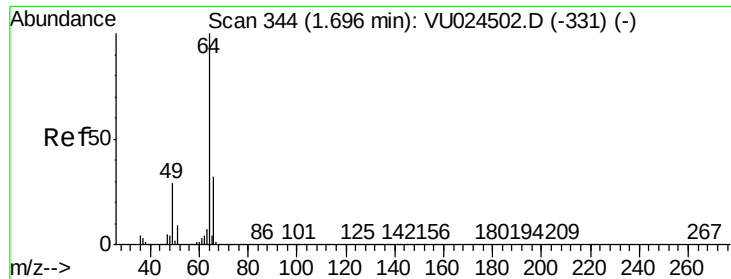
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 338

Delta R.T. -0.02 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

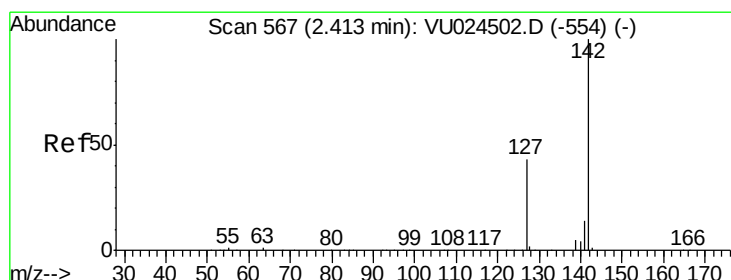
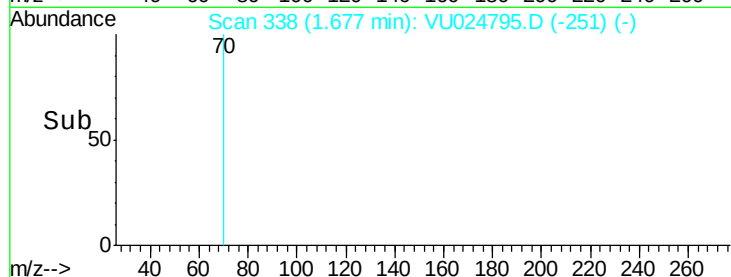
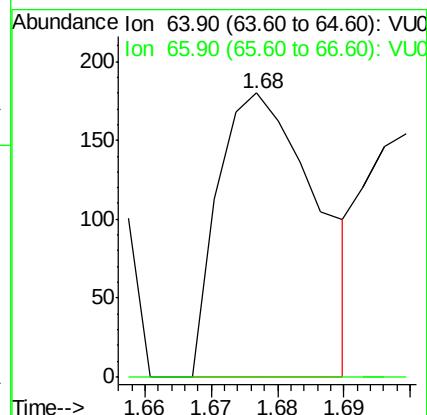
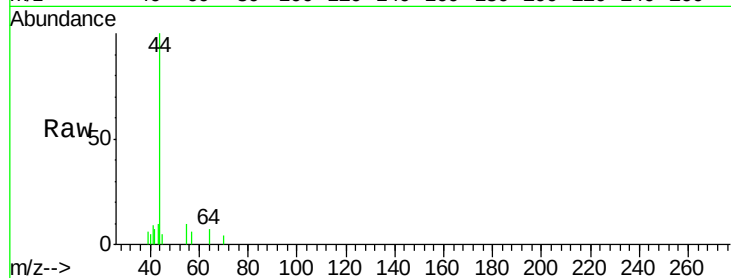
DUP-01

Tgt Ion: 64 Resp: 186

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 5.297 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

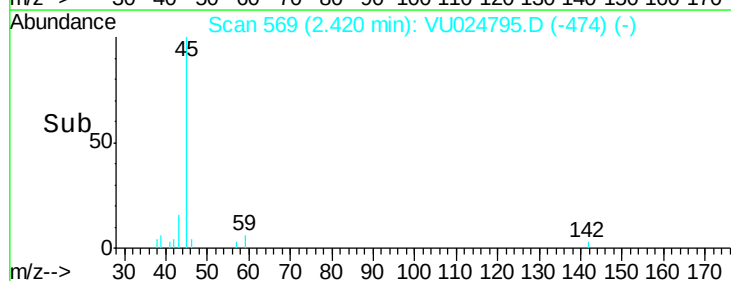
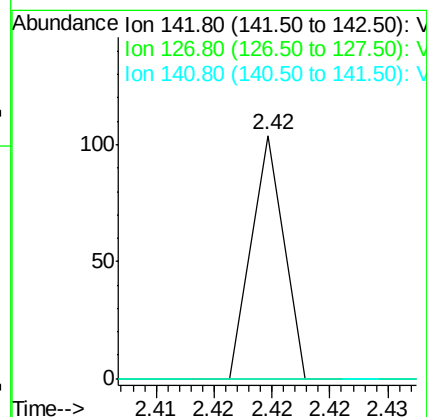
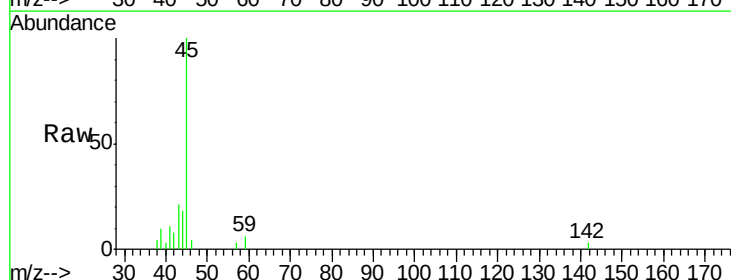
Tgt Ion: 142 Resp: 20

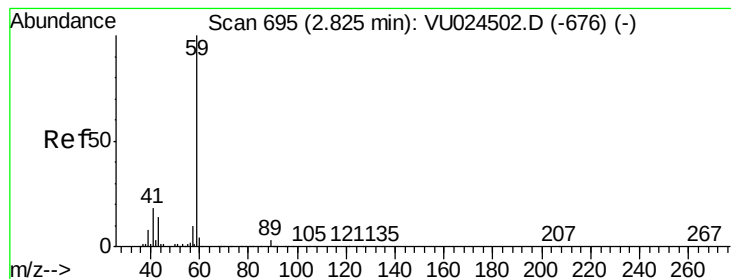
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



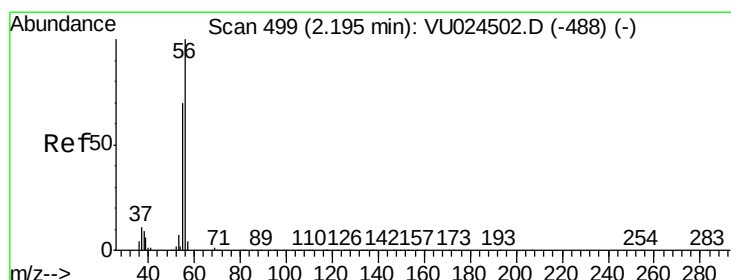
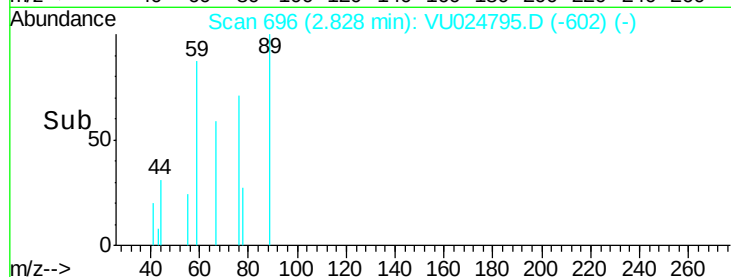
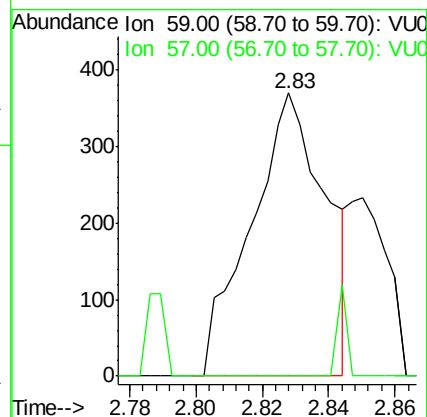
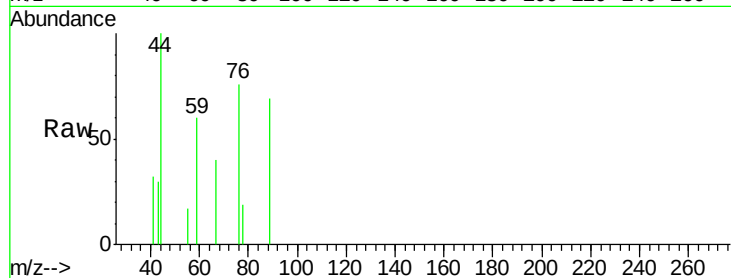


#11

Tert butyl alcohol
 Concen: 0.750 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU024795.D
 Acq: 21 Jun 2018 07:17

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-01

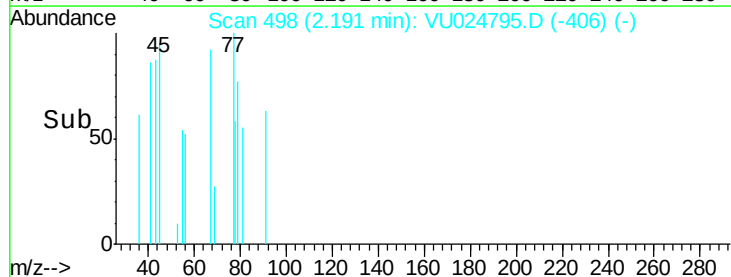
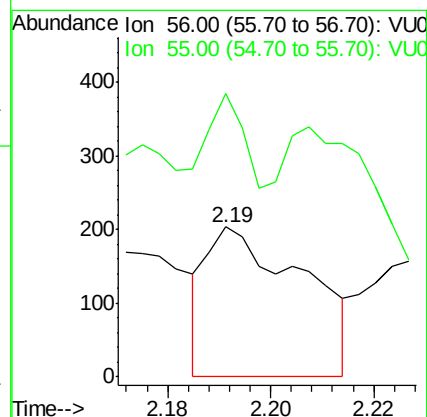
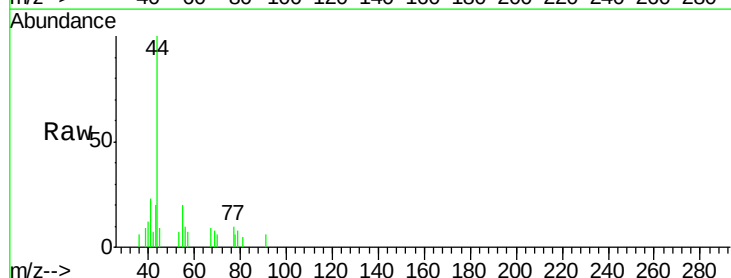
Tgt Ion: 59 Resp: 576
 Ion Ratio Lower Upper
 59 100
 57 4.0 8.5 12.7#

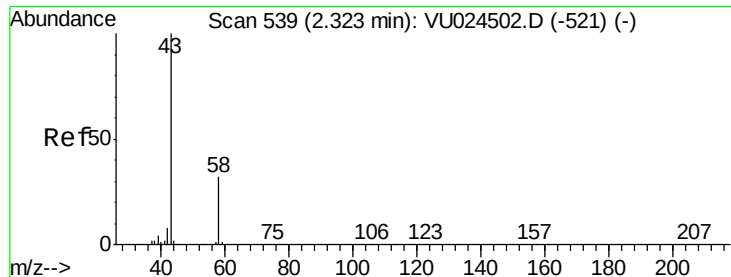


#13

Acrolein
 Concen: 0.654 ug/l
 RT: 2.19 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VU024795.D
 Acq: 21 Jun 2018 07:17

Tgt Ion: 56 Resp: 264
 Ion Ratio Lower Upper
 56 100
 55 56.4 58.4 87.6#





#16

Acetone

Concen: 6.855 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

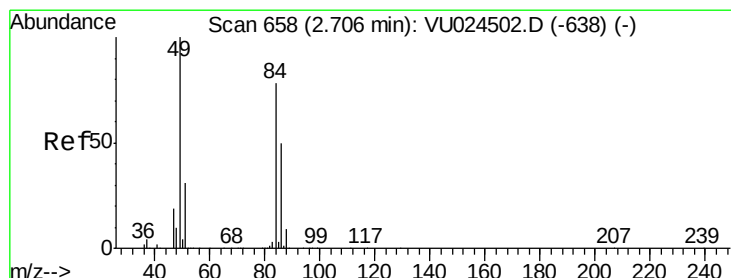
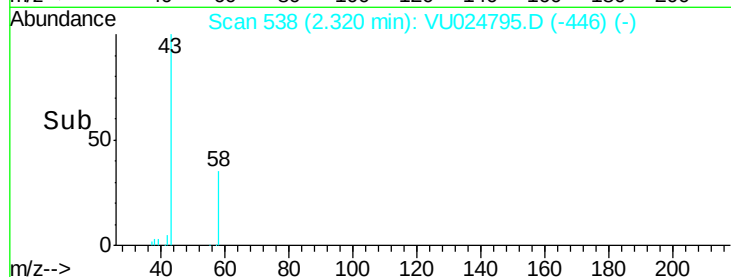
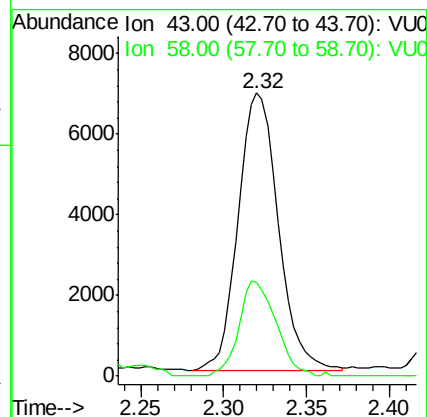
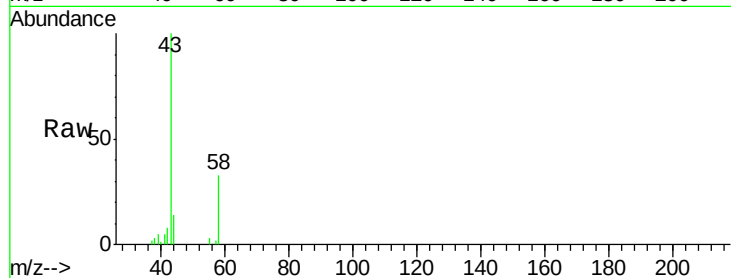
DUP-01

Tgt Ion: 43 Resp: 11636

Ion Ratio Lower Upper

43 100

58 34.0 24.4 36.6



#20

Methylene Chloride

Concen: 0.205 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.00 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

Tgt Ion: 84 Resp: 547

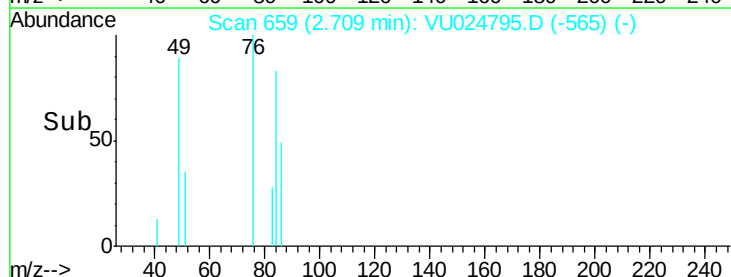
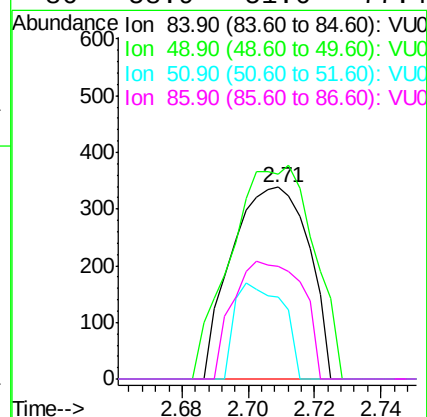
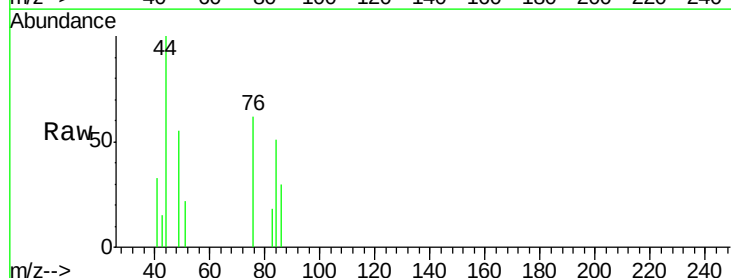
Ion Ratio Lower Upper

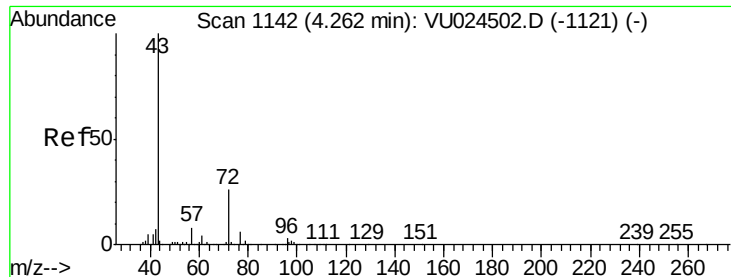
84 100

49 107.1 103.8 155.8

51 42.9 32.0 48.0

86 58.9 51.6 77.4

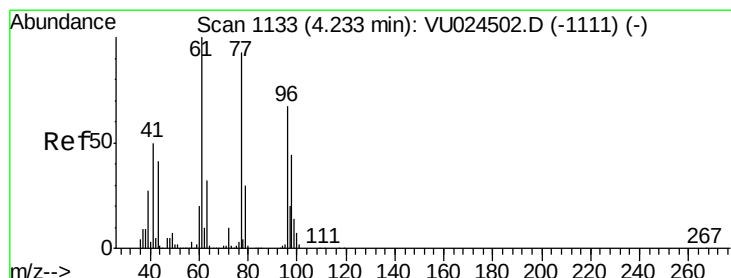
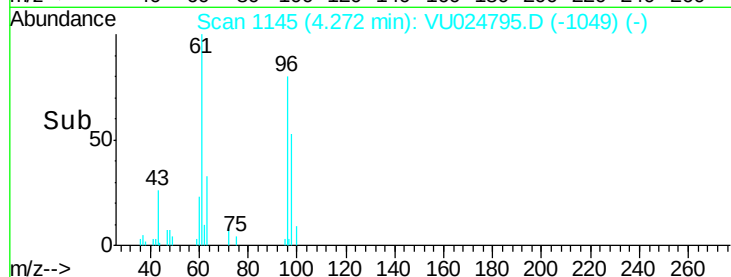
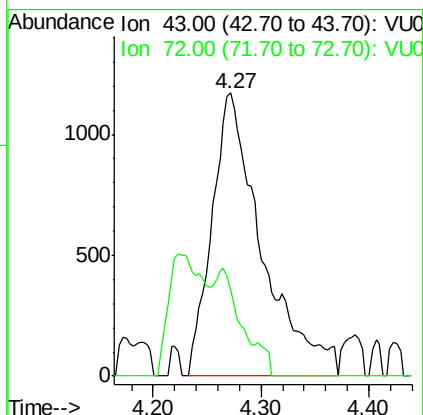
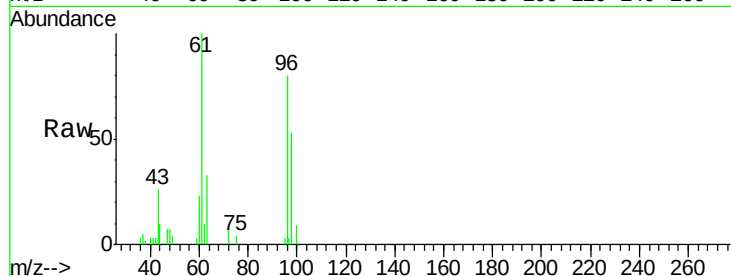




#25
2-Butanone
Concen: 1.657 ug/l
RT: 4.27 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VU024795.D
Acq: 21 Jun 2018 07:17

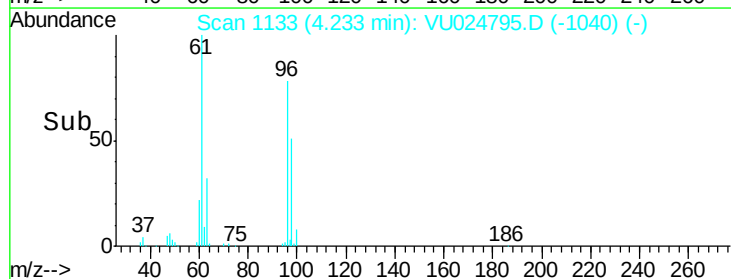
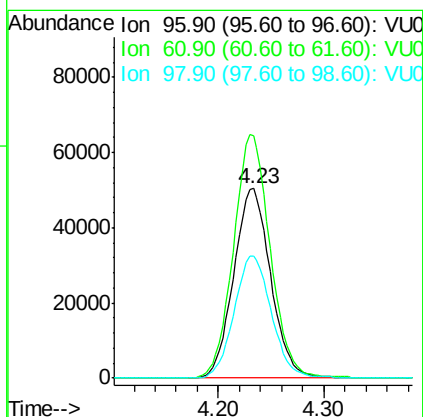
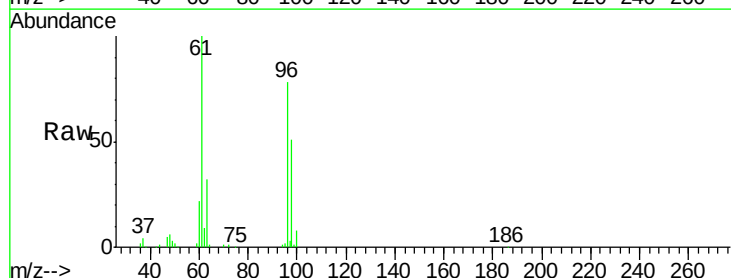
Instrument :
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DUP-01

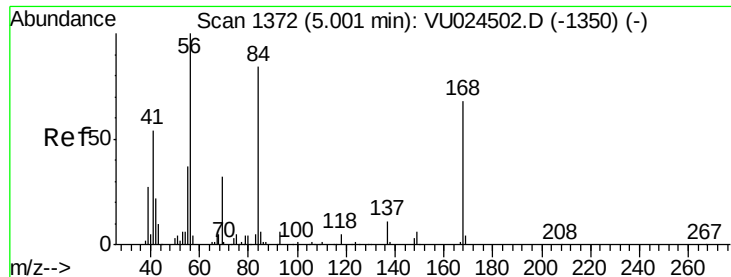
Tgt Ion: 43 Resp: 3778
Ion Ratio Lower Upper
43 100
72 30.4 19.6 29.4#



#27
cis-1,2-Dichloroethene
Concen: 43.950 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024795.D
Acq: 21 Jun 2018 07:17

Tgt Ion: 96 Resp: 122633
Ion Ratio Lower Upper
96 100
61 127.3 0.0 306.6
98 65.1 0.0 128.8

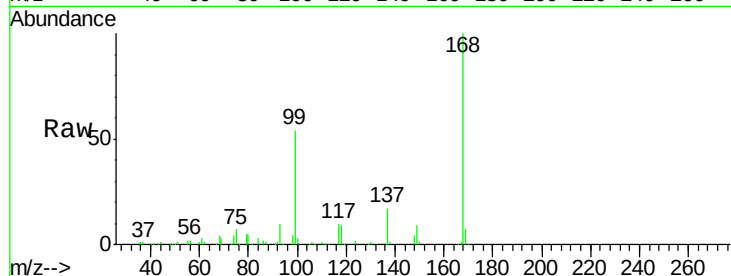




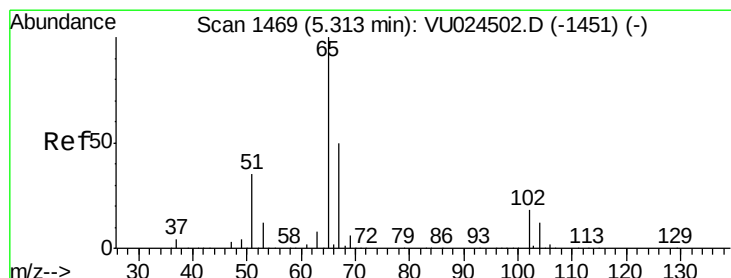
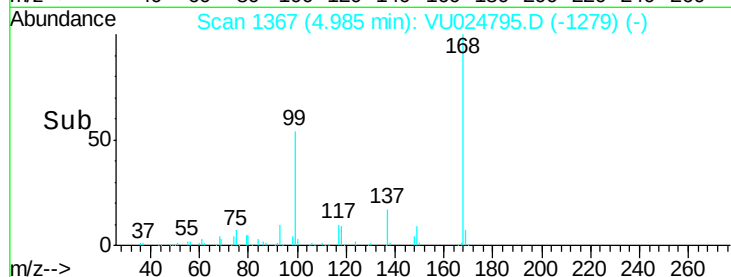
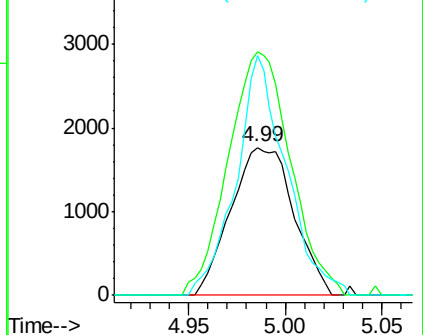
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024795.D
Acq: 21 Jun 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
DUP-01

Tgt Ion: 56 Resp: 4001
Ion Ratio Lower Upper
56 100
69 157.5 24.8 37.2#
84 161.7 65.2 97.8#

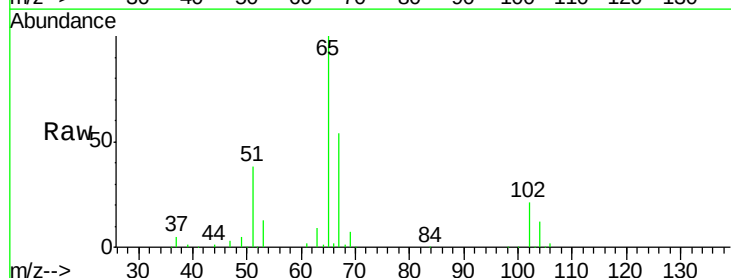


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

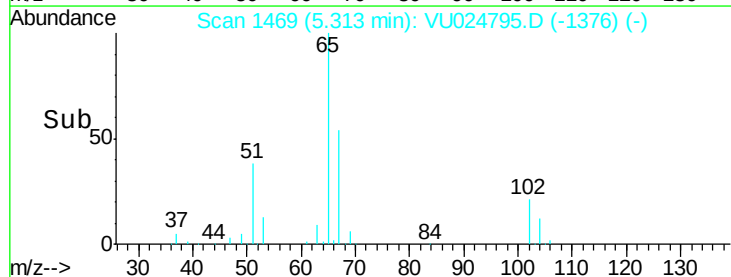
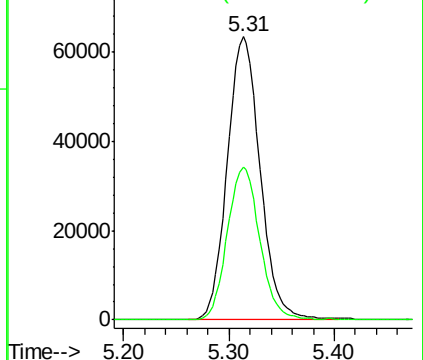


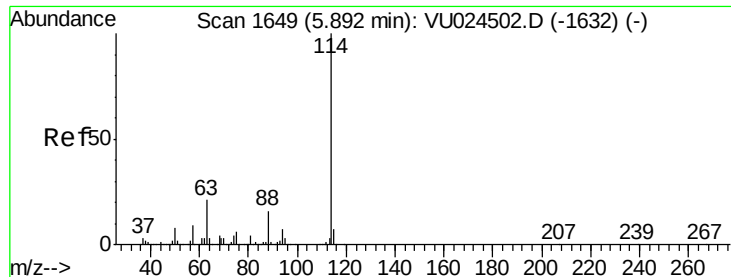
#33
1,2-Dichloroethane-d4
Concen: 43.368 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024795.D
Acq: 21 Jun 2018 07:17

Tgt Ion: 65 Resp: 137016
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.0



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# 1648

Delta R.T. -0.00 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

DUP-01

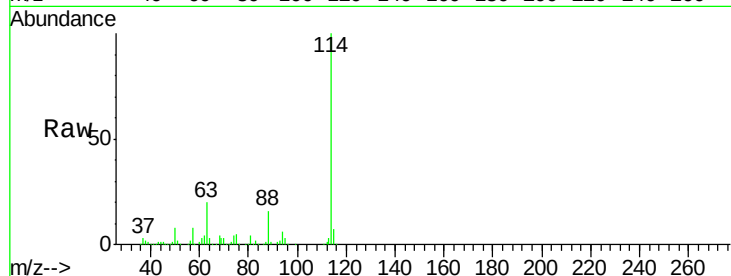
Tgt Ion:114 Resp: 299890

Ion Ratio Lower Upper

114 100

63 19.8 0.0 45.4

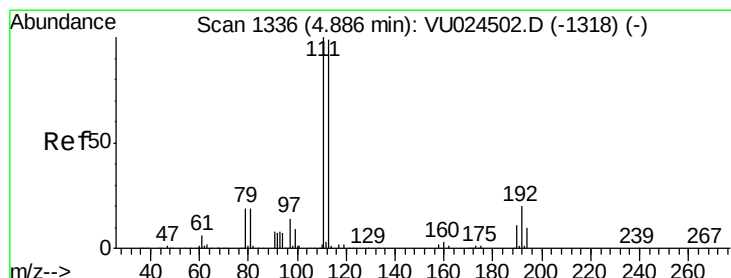
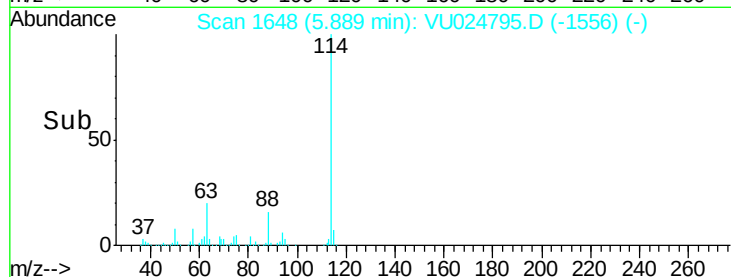
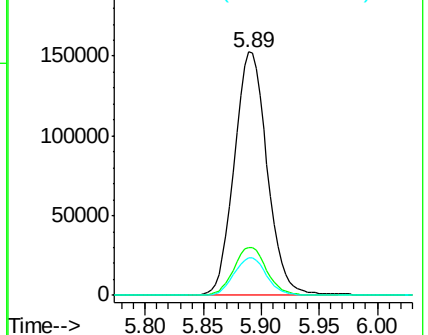
88 15.6 0.0 31.0



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: 46.722 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

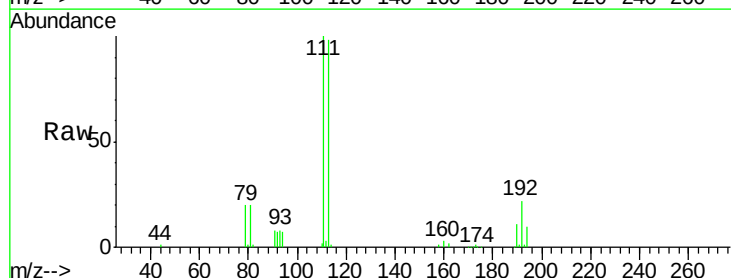
Tgt Ion:113 Resp: 116284

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

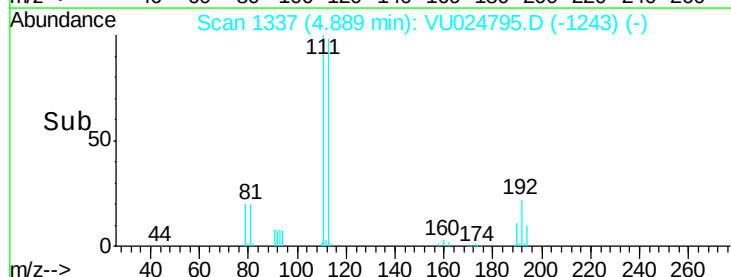
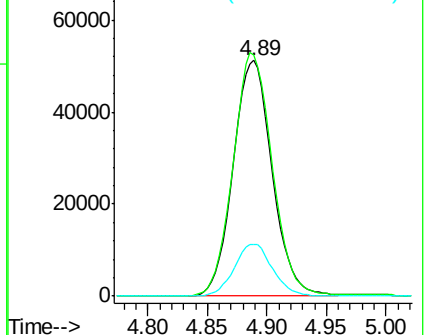
192 21.8 16.2 24.4

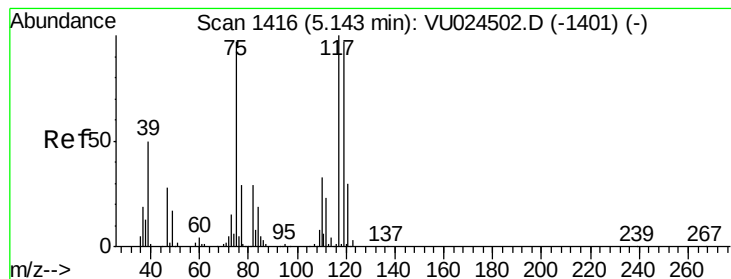


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.820 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

DUP-01

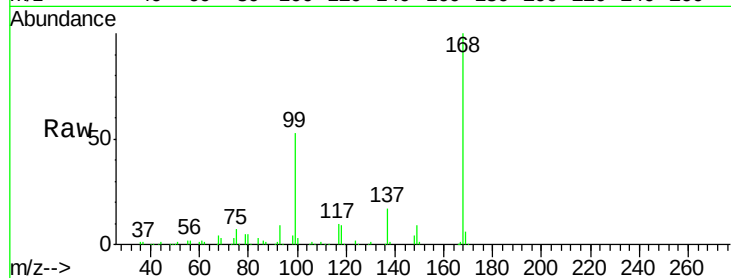
Tgt Ion: 75 Resp: 13460

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

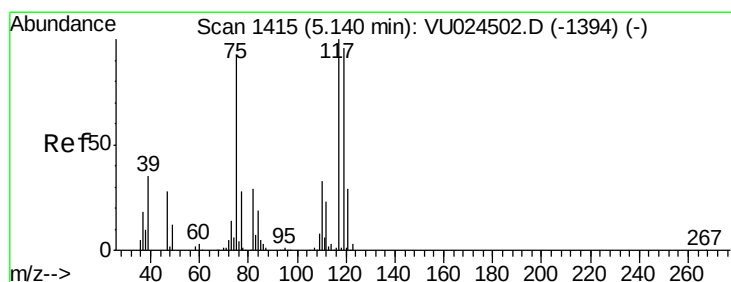
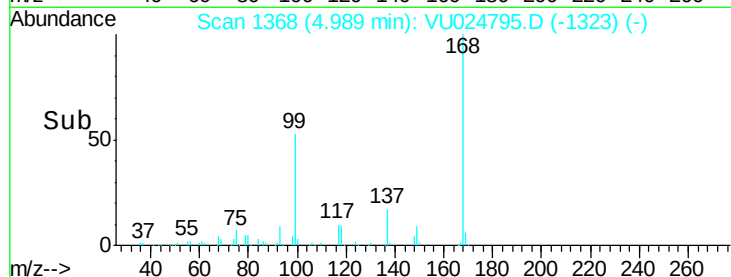
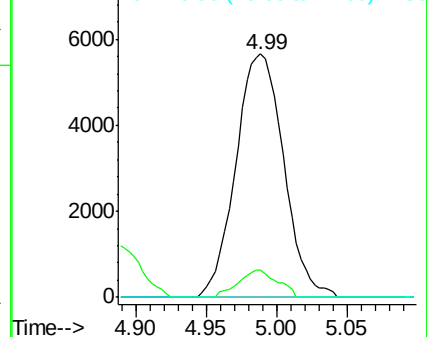
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU024795.D (-1368) (-)

Ion 109.90 (109.60 to 110.60): VU024795.D (-1368) (-)

Ion 76.90 (76.60 to 77.60): VU024795.D (-1368) (-)



#38

Carbon Tetrachloride

Concen: 4.757 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

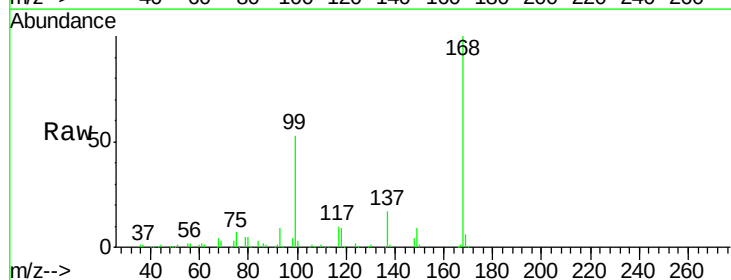
Tgt Ion: 117 Resp: 18436

Ion Ratio Lower Upper

117 100

119 3.5 76.1 114.1#

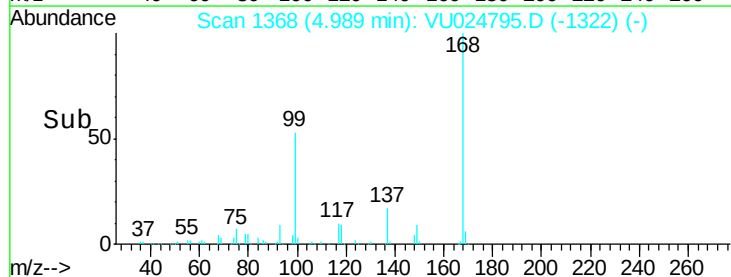
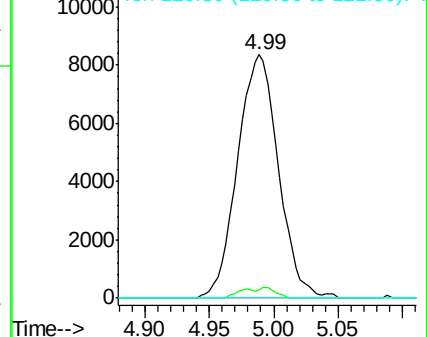
121 0.0 23.7 35.5#

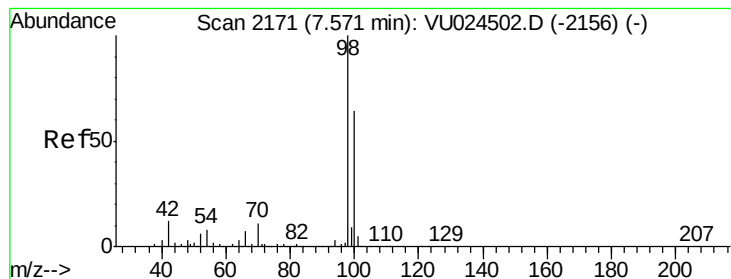


Abundance Ion 116.80 (116.50 to 117.50): VU024795.D (-1368) (-)

Ion 118.80 (118.50 to 119.50): VU024795.D (-1368) (-)

Ion 120.80 (120.50 to 121.50): VU024795.D (-1368) (-)





#50

Toluene-d8

Concen: 48.077 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

Instrument :

MSVOA_U

ClientSampled :

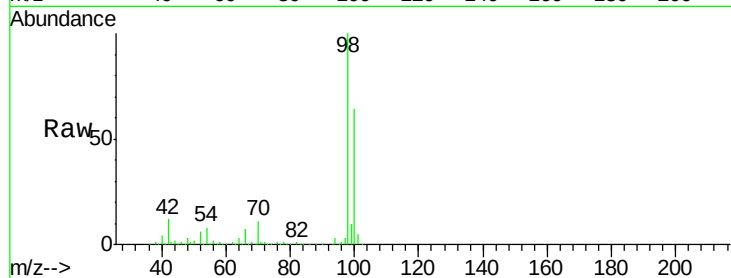
DUP-01

Tgt Ion: 98 Resp: 436456

Ion Ratio Lower Upper

98 100

100 63.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024795.D (-2325) (-)

Ion 100.00 (99.70 to 100.70): VU024795.D (-2325) (-)

7.57

250000

200000

150000

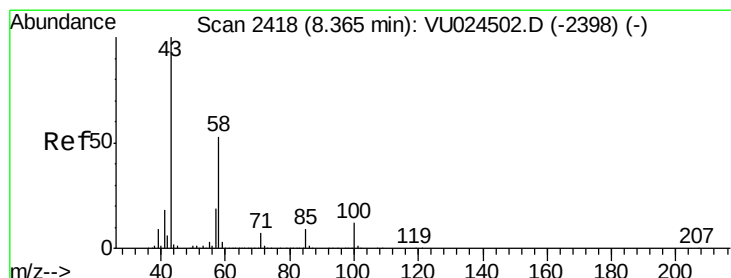
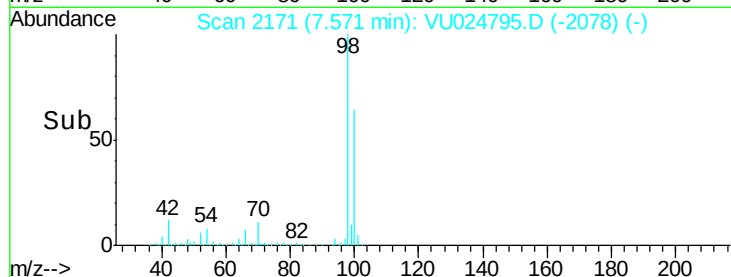
100000

50000

0

Time-->

7.50 7.60 7.70



#59

2-Hexanone

Concen: 0.269 ug/l

RT: 8.38 min Scan# 2423

Delta R.T. 0.02 min

Lab File: VU024795.D

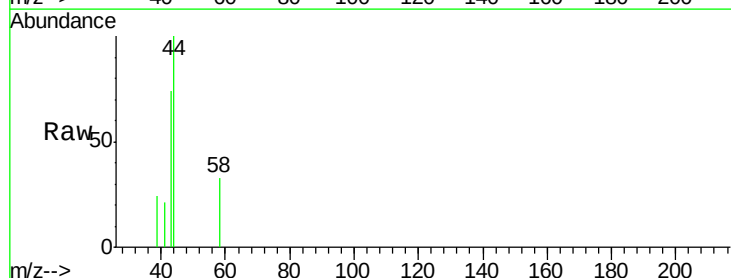
Acq: 21 Jun 2018 07:17

Tgt Ion: 43 Resp: 915

Ion Ratio Lower Upper

43 100

58 18.4 26.4 79.0#



Abundance Ion 43.00 (42.70 to 43.70): VU024795.D (-2325) (-)

Ion 58.00 (57.70 to 58.70): VU024795.D (-2325) (-)

8.38

400

300

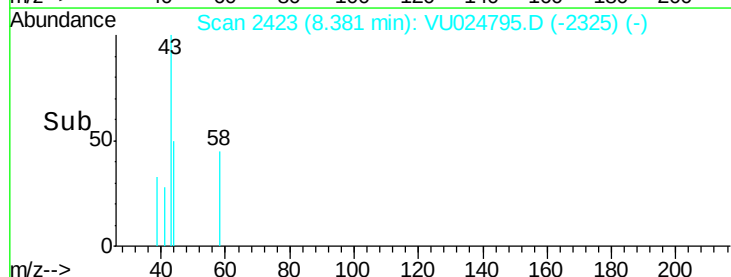
200

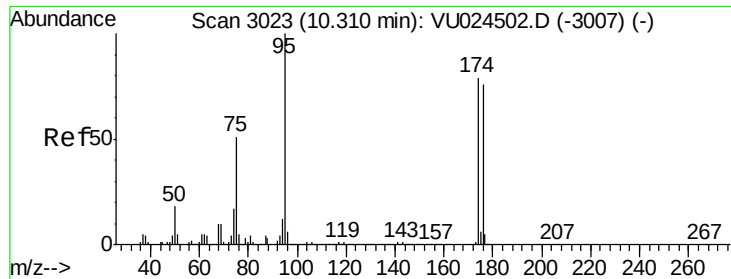
100

0

Time-->

8.35 8.40

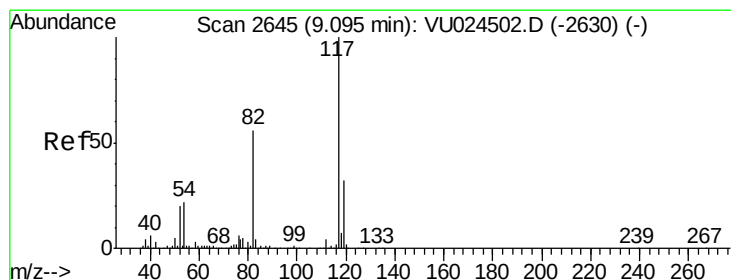
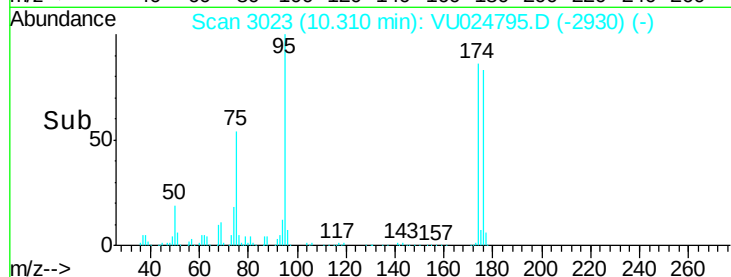
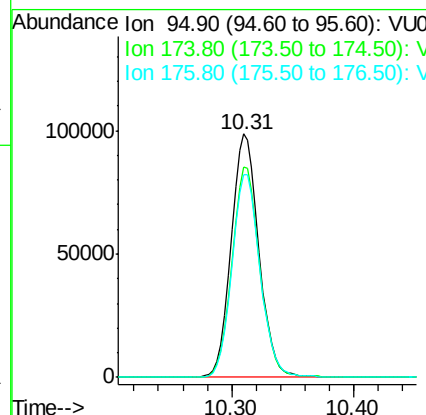
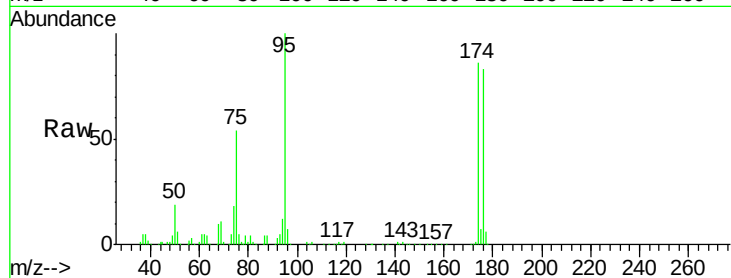




#62
4-Bromofluorobenzene
Concen: 43.597 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024795.D
Acq: 21 Jun 2018 07:17

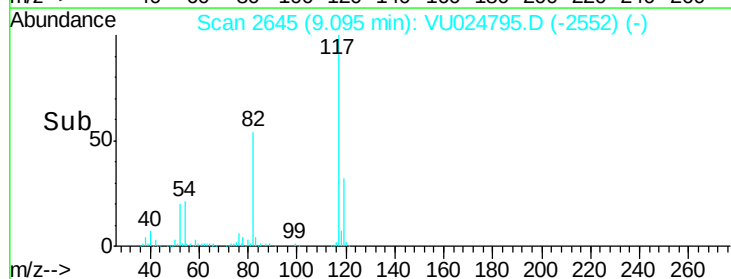
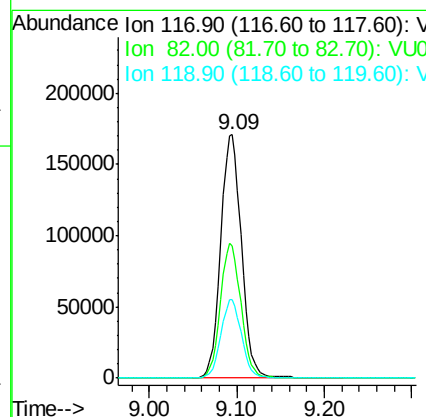
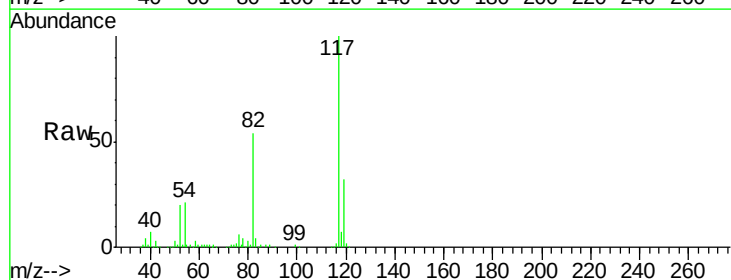
Instrument :
MSVOA_U
ClientSampleId :
DUP-01

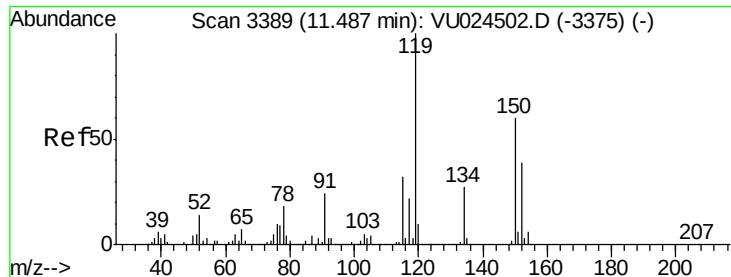
Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	165.8
176	84.4	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024795.D
Acq: 21 Jun 2018 07:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.3	66.5
119	32.5	25.4	38.2

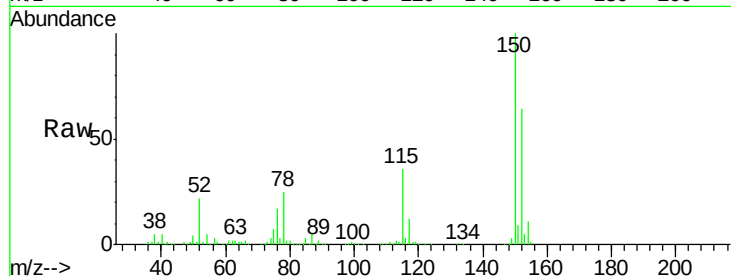




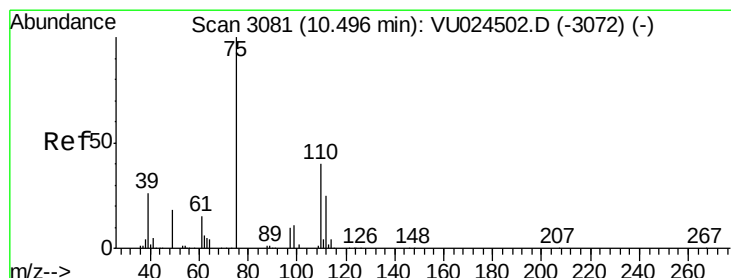
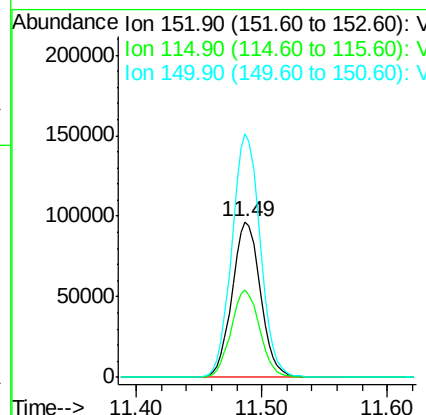
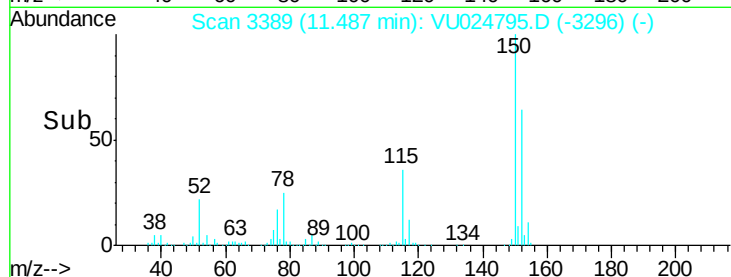
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024795.D
 Acq: 21 Jun 2018 07:17

Instrument :
 MSVOA_U
 ClientSampled :
 DUP-01

Tgt Ion:152 Resp: 151936
 Ion Ratio Lower Upper
 152 100
 115 56.7 43.0 129.0
 150 156.1 0.0 354.0

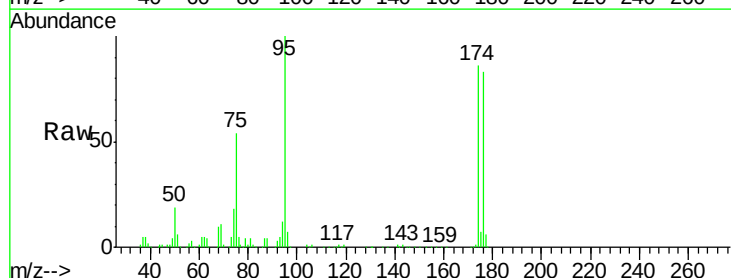


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

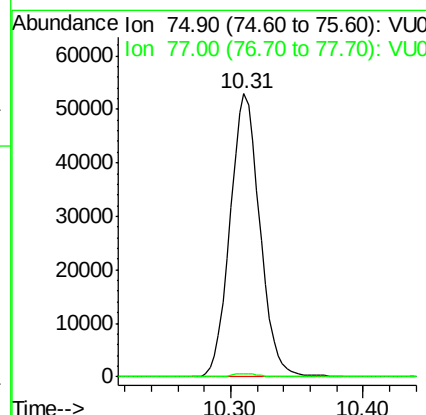
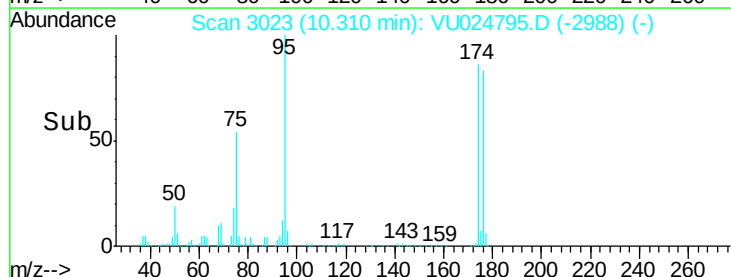


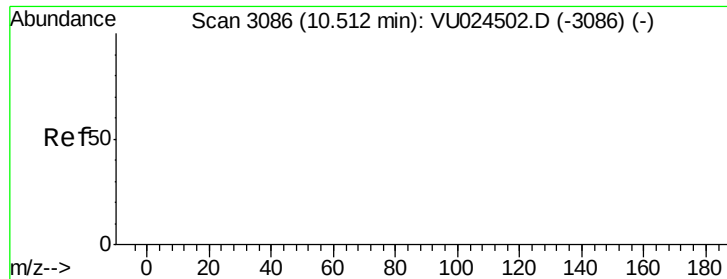
#76
 1,2,3-Trichloropropane
 Concen: 24.706 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024795.D
 Acq: 21 Jun 2018 07:17

Tgt Ion: 75 Resp: 82644
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.7#



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: 57.180 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024795.D

Acq: 21 Jun 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

DUP-01

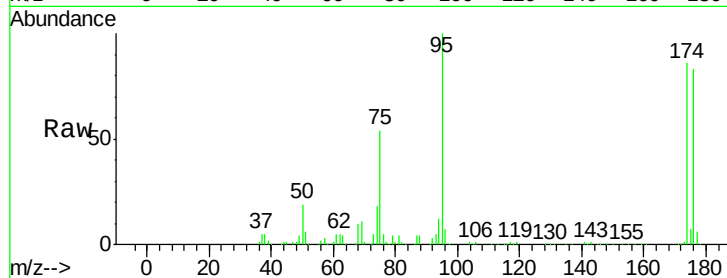
Tgt Ion: 75 Resp: 82644

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

