

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024793.D
 Acq On : 21 Jun 2018 06:29
 Operator : MD/SY
 Sample : J3585-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW04

Quant Time: Jun 21 07:59:50 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	194926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	298148	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	279218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150964	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	137481	43.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.40%	
35) Dibromofluoromethane	4.89	113	116910	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
50) Toluene-d8	7.57	98	431998	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	10.31	95	158680	44.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.56%	

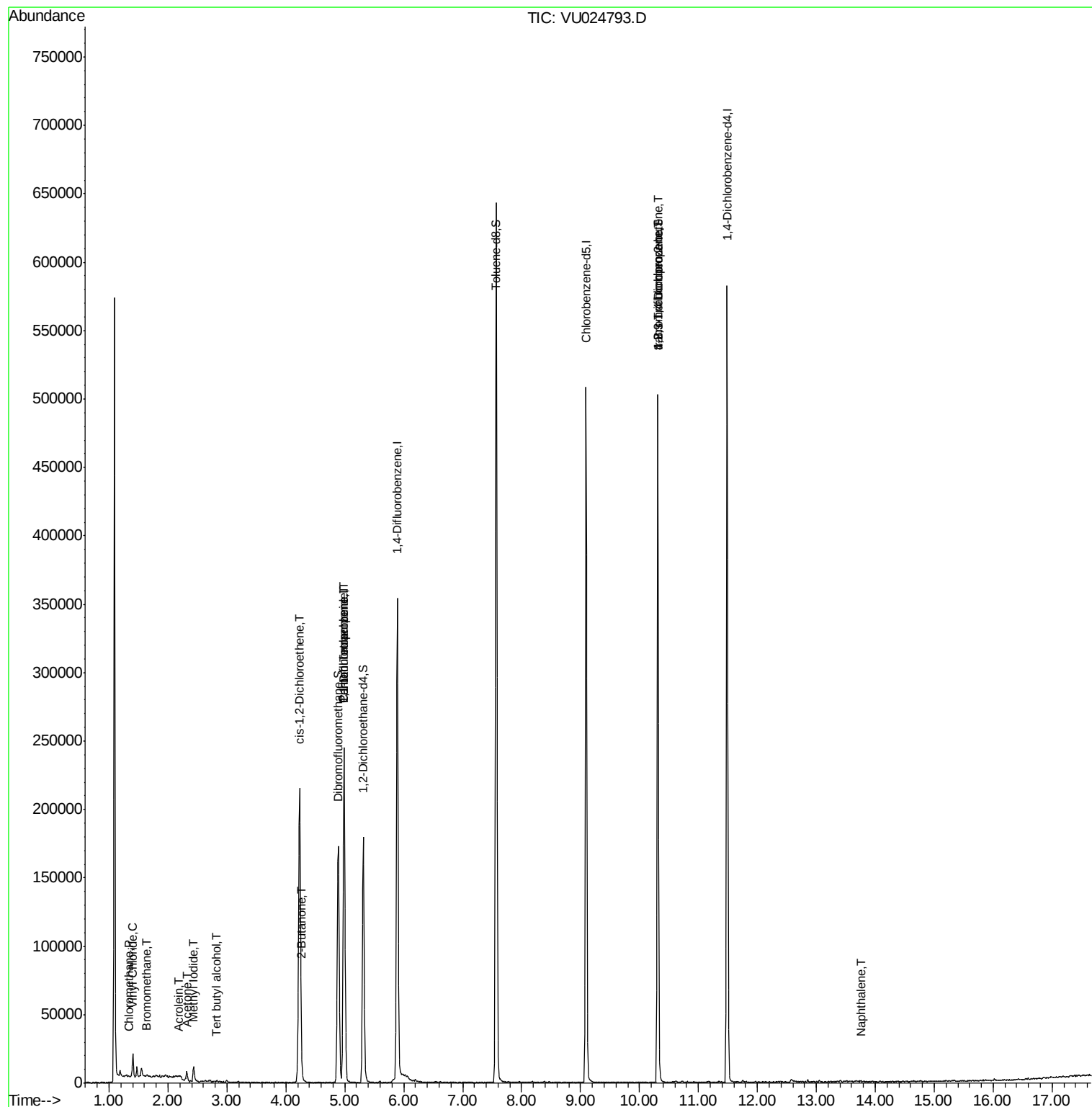
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	908	0.364	ug/l	98
4) Vinyl Chloride	1.40	62	9460	3.680	ug/l	99
5) Bromomethane	1.63	94	293	0.236	ug/l	85
6) Chloroethane	1.73	64	188	Below Cal	#	43
10) Methyl Iodide	2.43	142	40	5.306	ug/l #	40
11) Tert butyl alcohol	2.83	59	219	0.283	ug/l #	72
13) Acrolein	2.19	56	538	1.324	ug/l #	64
16) Acetone	2.32	43	7607	4.449	ug/l	90
25) 2-Butanone	4.27	43	2824	1.230	ug/l #	79
27) cis-1,2-Dichloroethene	4.23	96	122799	43.694	ug/l	86
31) Cyclohexane	4.99	56	3776	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13937	3.978	ug/l #	50
38) Carbon Tetrachloride	4.99	117	18085	4.694	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	81714	24.585	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	81714	56.901	ug/l #	100
95) Naphthalene	13.76	128	122	0.690	ug/l #	69

(#) = 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: VU024793.D

Acq: 21 Jun 2018 06:29

Instrument :

MSVOA_U

ClientSampleId :

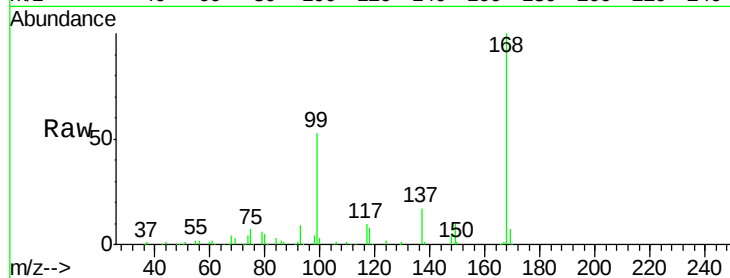
CKMW04

Tgt Ion:168 Resp: 194926

Ion Ratio Lower Upper

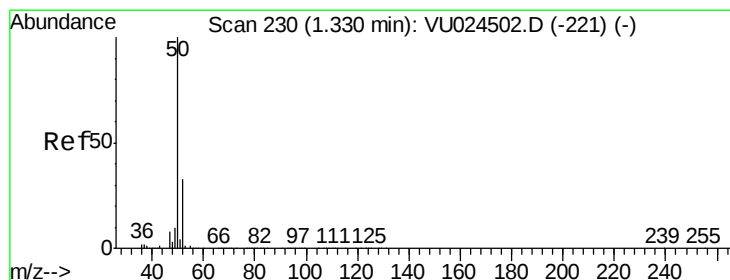
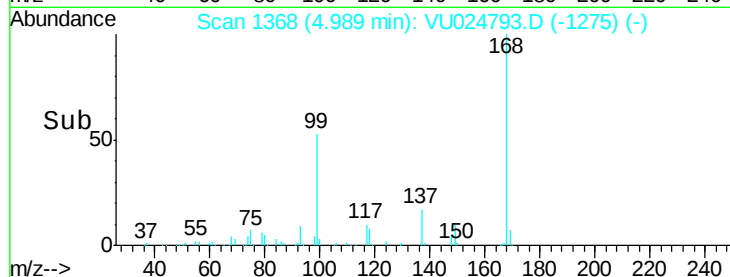
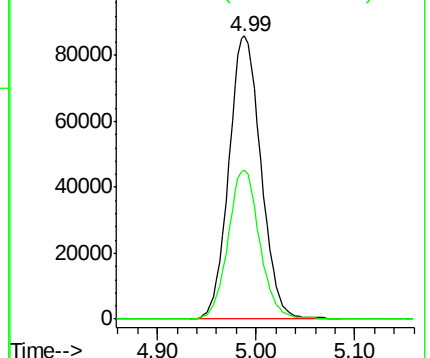
168 100

99 52.7 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: 0.364 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024793.D

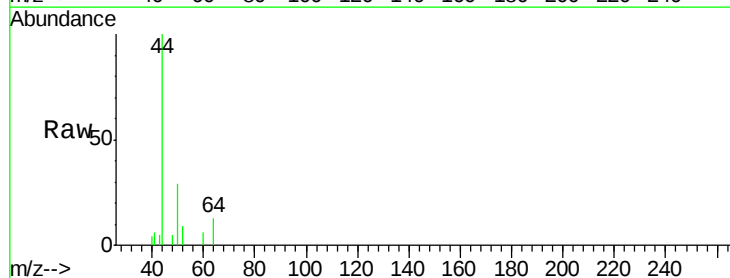
Acq: 21 Jun 2018 06:29

Tgt Ion: 50 Resp: 908

Ion Ratio Lower Upper

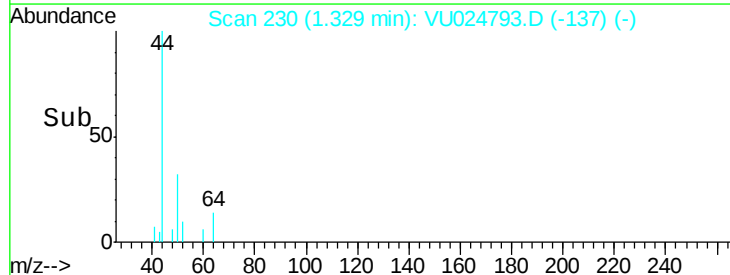
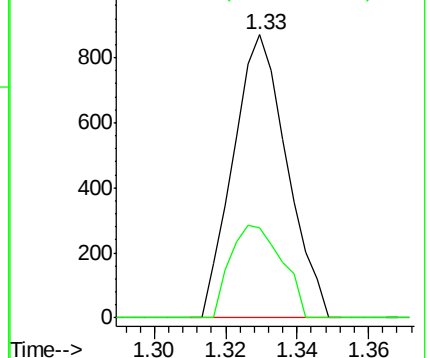
50 100

52 31.7 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: 3.680 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024793.D

Acq: 21 Jun 2018 06:29

Instrument :

MSVOA_U

ClientSampleId :

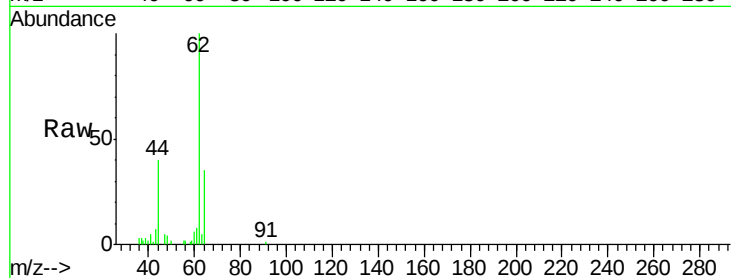
CKMW04

Tgt Ion: 62 Resp: 9460

Ion Ratio Lower Upper

62 100

64 31.7 24.8 37.2



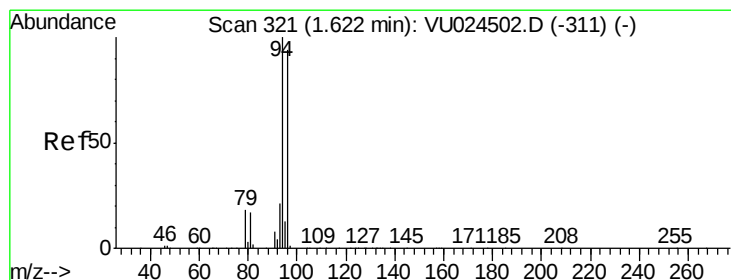
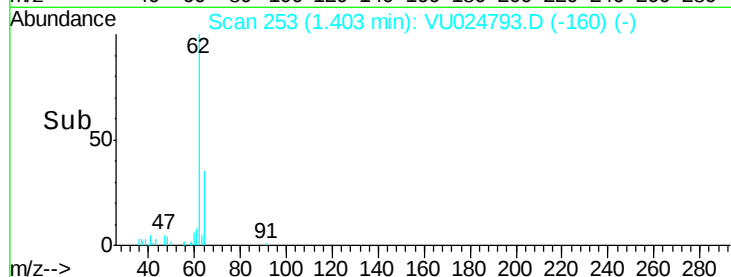
Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

1.45

Time-->



#5

Bromomethane

Concen: 0.236 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024793.D

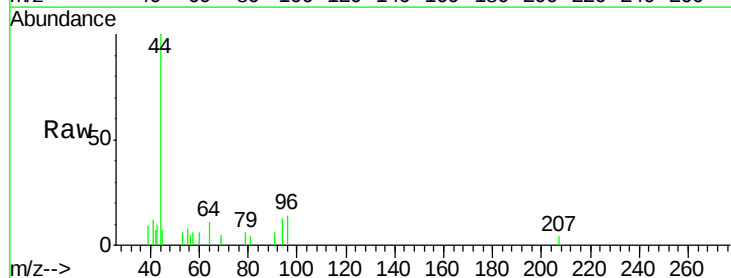
Acq: 21 Jun 2018 06:29

Tgt Ion: 94 Resp: 293

Ion Ratio Lower Upper

94 100

96 107.3 74.5 111.7



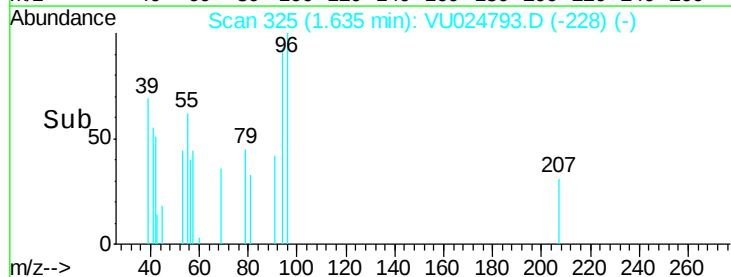
Abundance Ion 93.90 (93.60 to 94.60): VU0

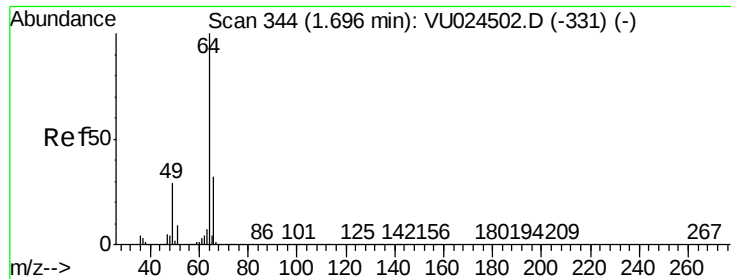
Ion 95.90 (95.60 to 96.60): VU0

1.63

1.66

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 356

Delta R.T. 0.04 min

Lab File: VU024793.D

Acq: 21 Jun 2018 06:29

Instrument :

MSVOA_U

ClientSampleId :

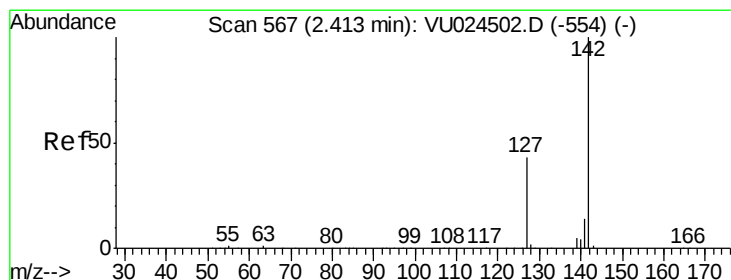
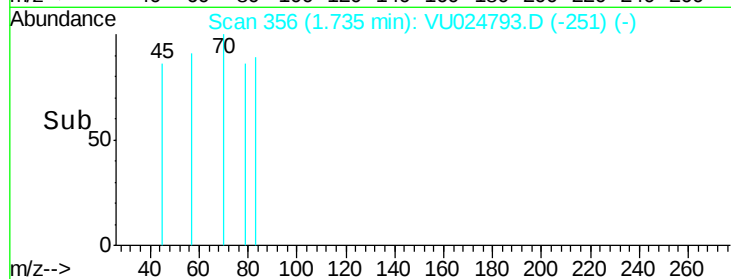
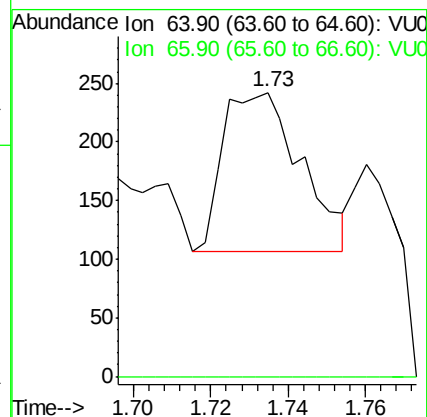
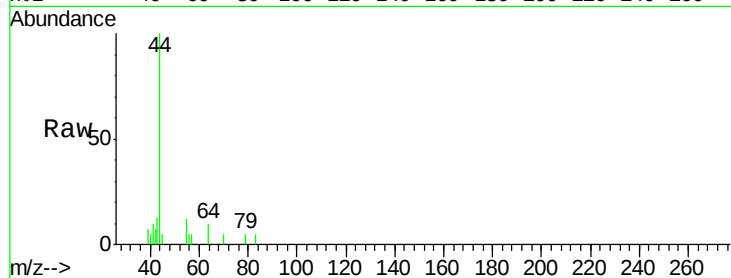
CKMW04

Tgt Ion: 64 Resp: 188

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 5.306 ug/l

RT: 2.43 min Scan# 572

Delta R.T. 0.02 min

Lab File: VU024793.D

Acq: 21 Jun 2018 06:29

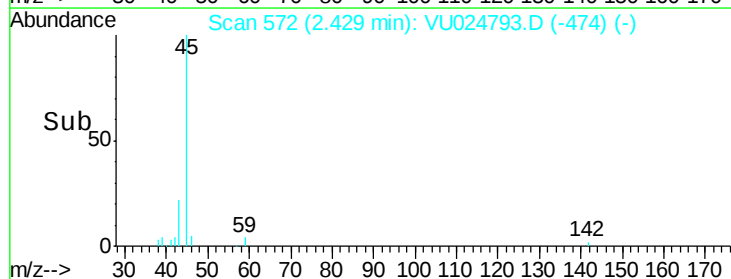
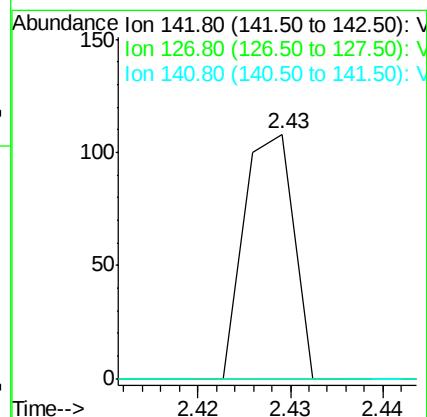
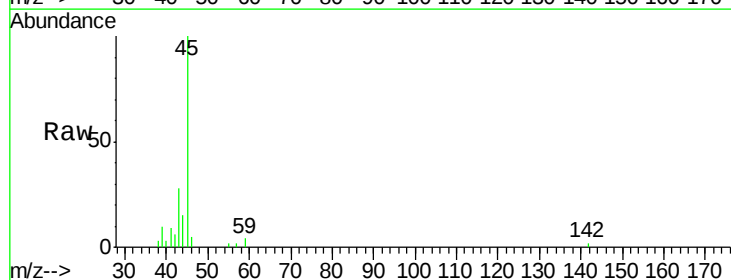
Tgt Ion: 142 Resp: 40

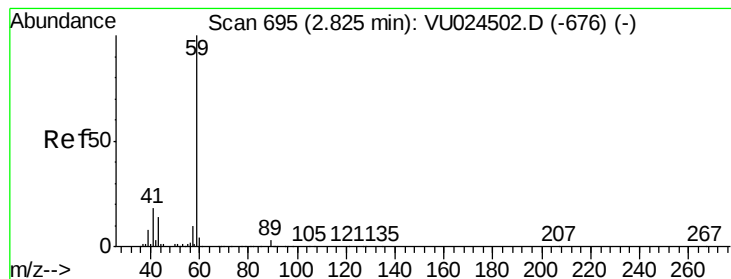
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



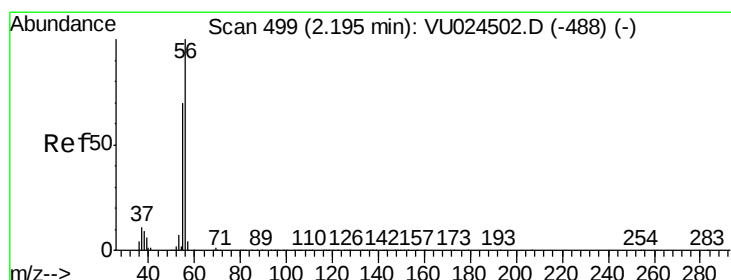
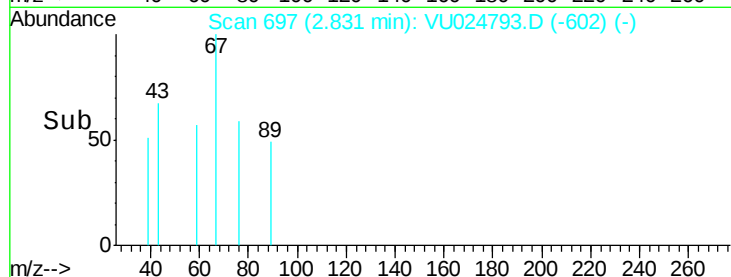
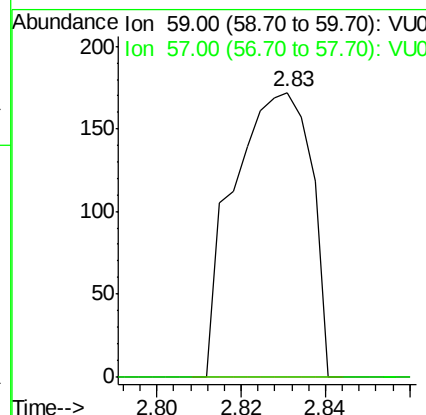
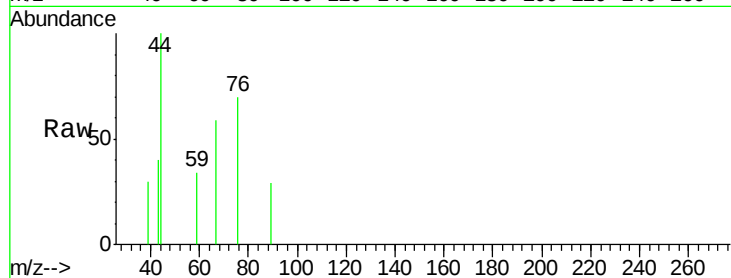


#11

Tert butyl alcohol
 Concen: 0.283 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VU024793.D
 Acq: 21 Jun 2018 06:29

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW04

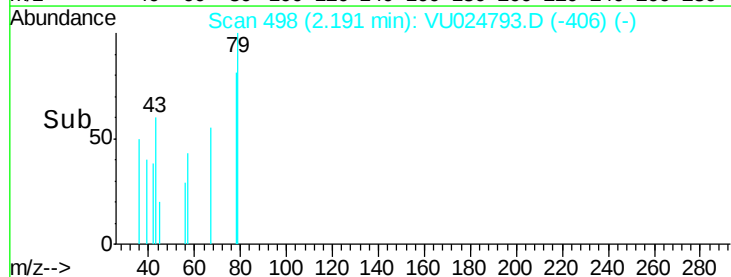
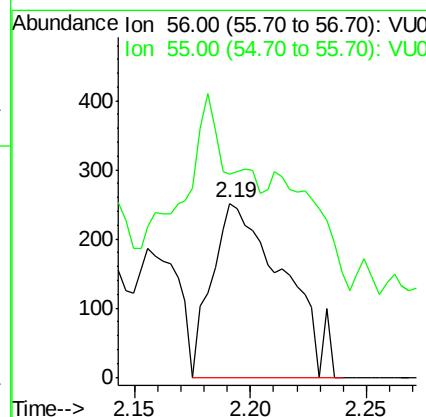
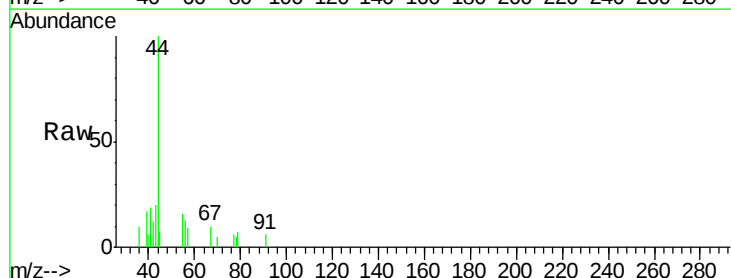
Tgt Ion: 59 Resp: 219
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



#13

Acrolein
 Concen: 1.324 ug/l
 RT: 2.19 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VU024793.D
 Acq: 21 Jun 2018 06:29

Tgt Ion: 56 Resp: 538
 Ion Ratio Lower Upper
 56 100
 55 42.9 58.4 87.6#





#16

Acetone

Concen: 4.449 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024793.D

Acq: 21 Jun 2018 06:29

Instrument :

MSVOA_U

ClientSampleId :

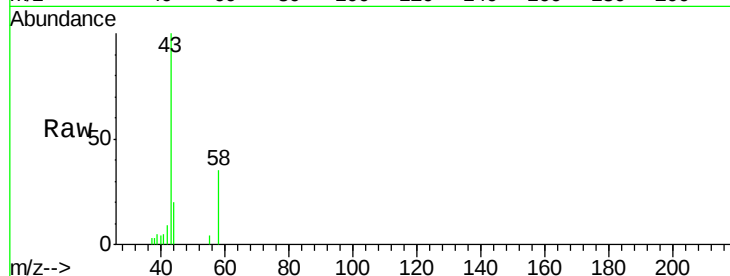
CKMW04

Tgt Ion: 43 Resp: 7607

Ion Ratio Lower Upper

43 100

58 36.0 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

5000

4000

3000

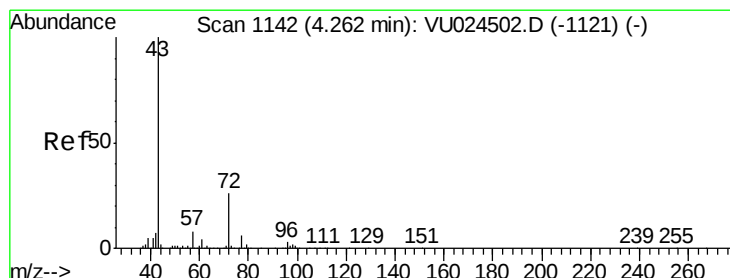
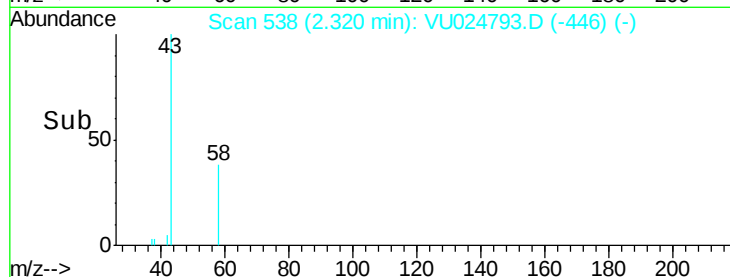
2000

1000

0

Time-->

2.25 2.30 2.35 2.40



#25

2-Butanone

Concen: 1.230 ug/l

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU024793.D

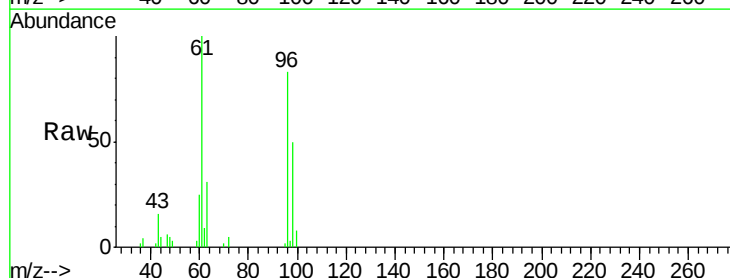
Acq: 21 Jun 2018 06:29

Tgt Ion: 43 Resp: 2824

Ion Ratio Lower Upper

43 100

72 34.8 19.6 29.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.27

1000

800

600

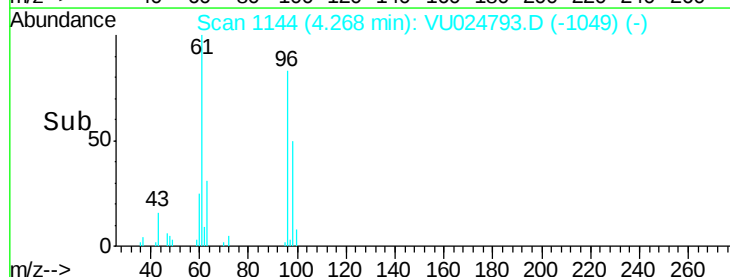
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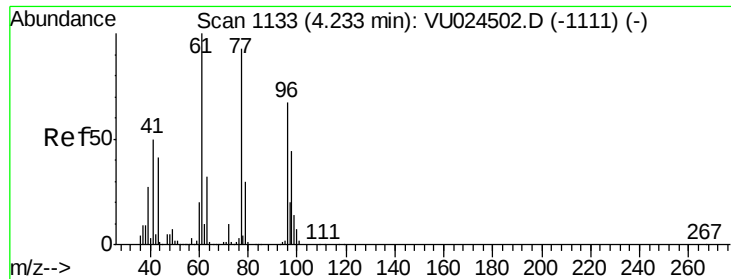
200

0

Time-->

4.20 4.25 4.30

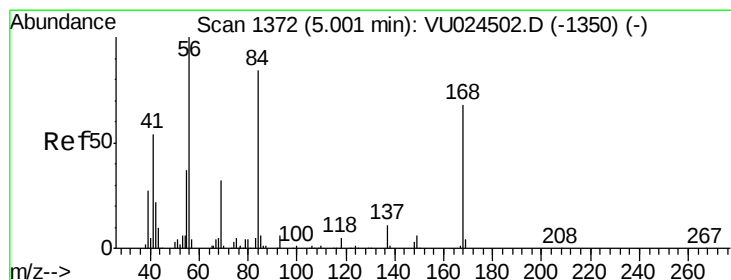
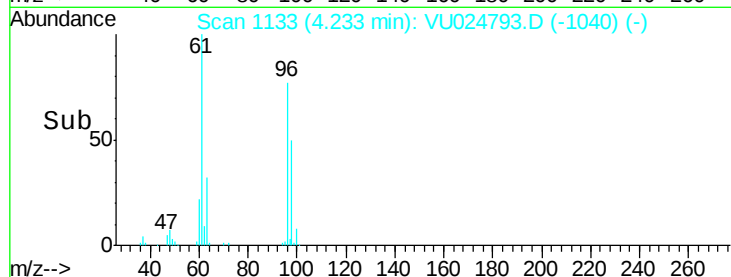
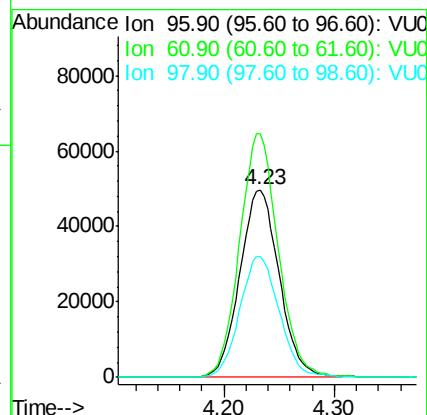
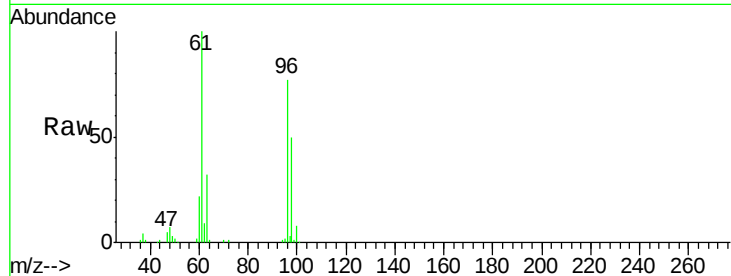




#27
 cis-1,2-Dichloroethene
 Concen: 43.694 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024793.D
 Acq: 21 Jun 2018 06:29

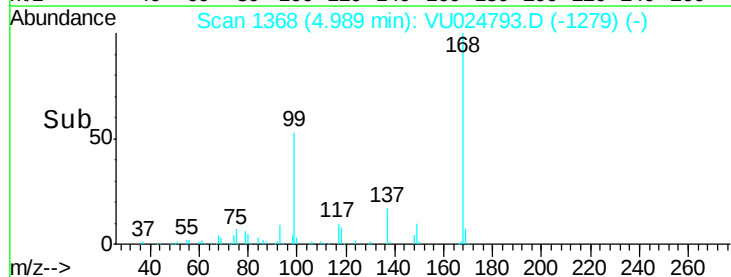
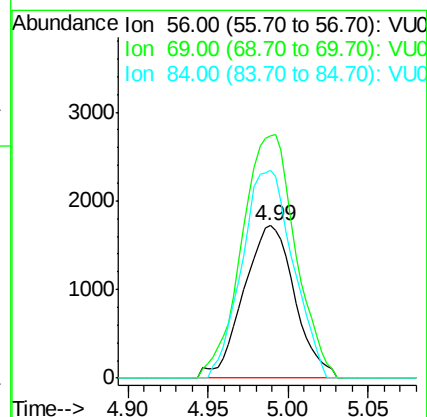
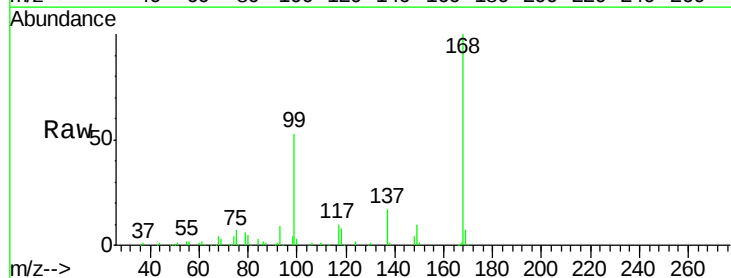
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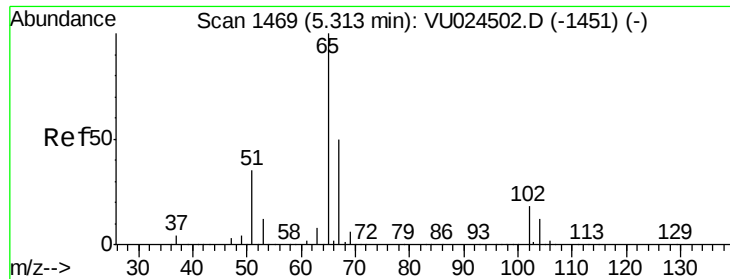
Tgt Ion: 96 Resp: 122799
 Ion Ratio Lower Upper
 96 100
 61 128.0 0.0 306.6
 98 65.1 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VU024793.D
 Acq: 21 Jun 2018 06:29

Tgt Ion: 56 Resp: 3776
 Ion Ratio Lower Upper
 56 100
 69 158.7 24.8 37.2#
 84 135.9 65.2 97.8#

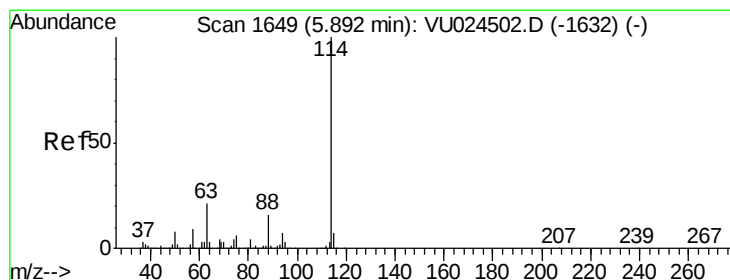
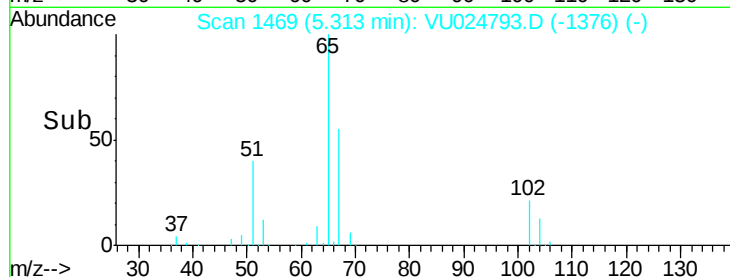
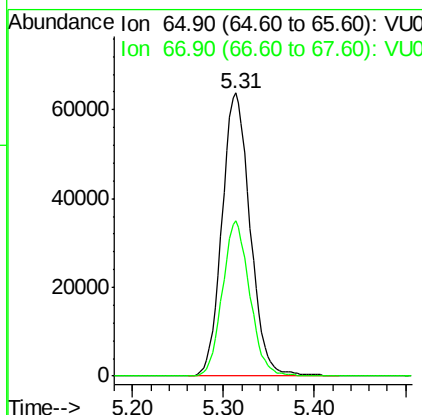
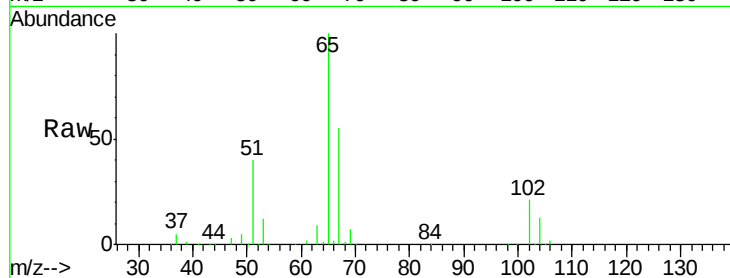




#33
 1,2-Dichloroethane-d4
 Concen: 43.203 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024793.D
 Acq: 21 Jun 2018 06:29

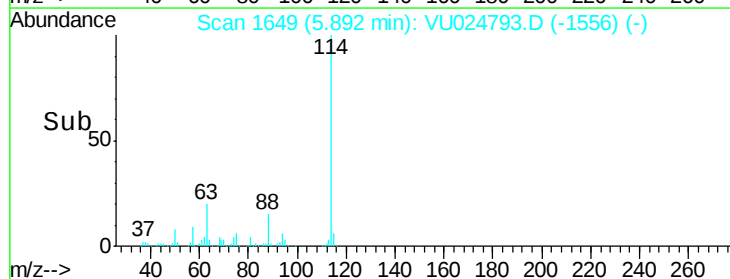
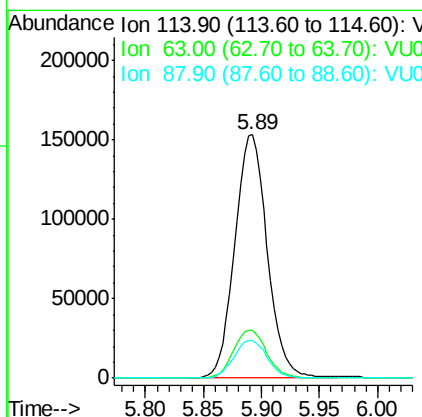
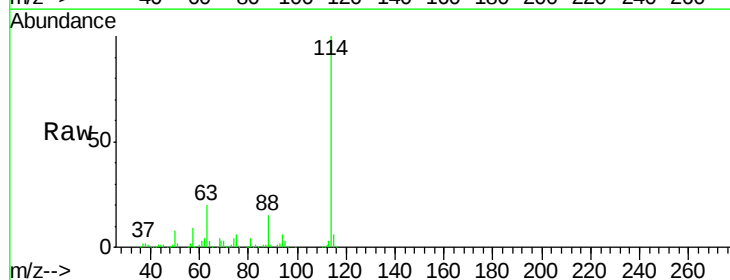
Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW04

Tgt Ion: 65 Resp: 137481
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024793.D
 Acq: 21 Jun 2018 06:29

Tgt Ion: 114 Resp: 298148
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 45.4
 88 15.4 0.0 31.0

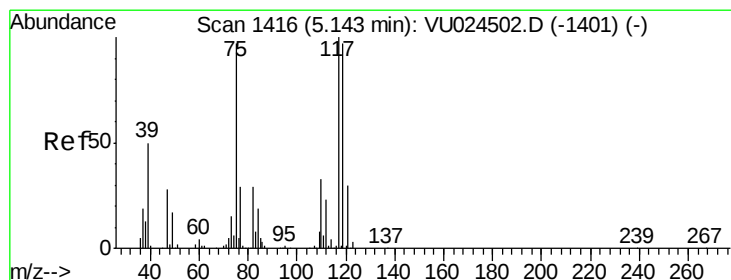
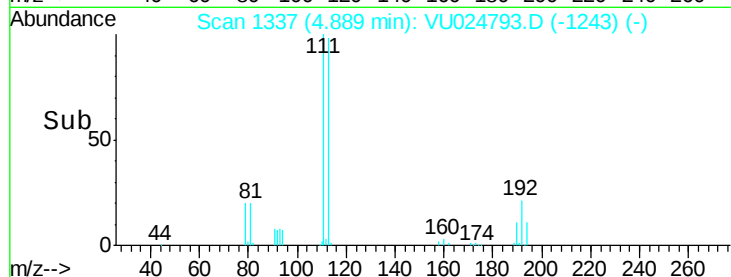
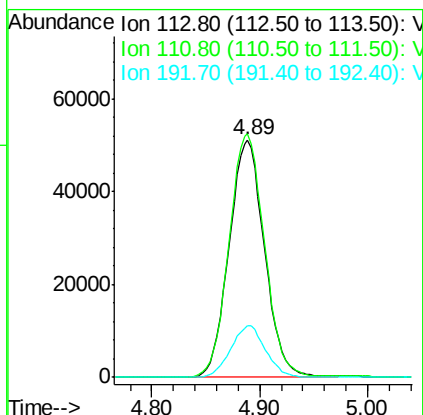
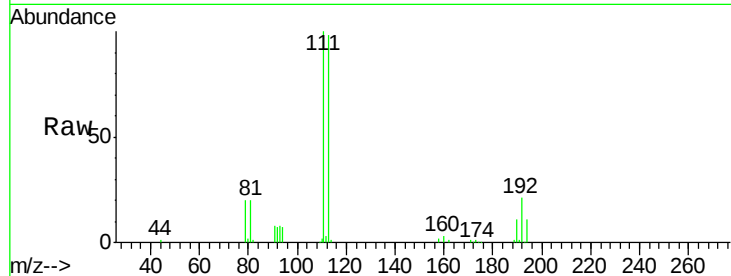




#35
 Dibromofluoromethane
 Concen: 47.248 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024793.D
 Acq: 21 Jun 2018 06:29

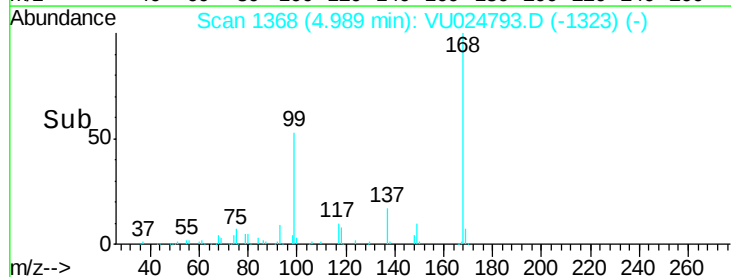
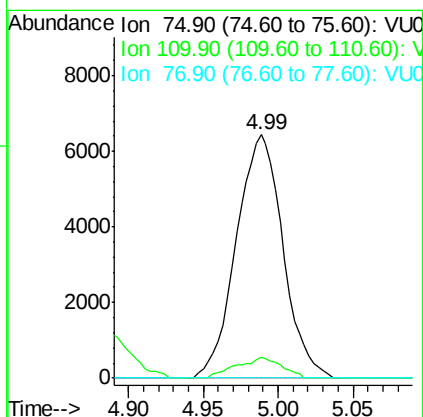
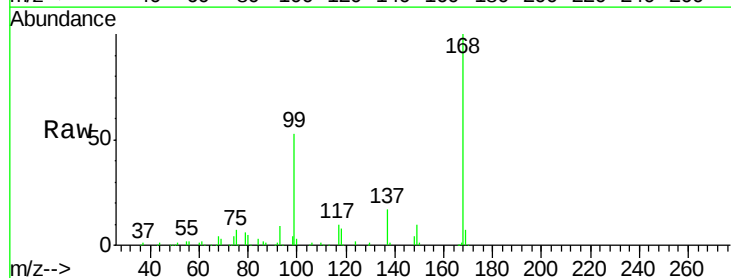
Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW04

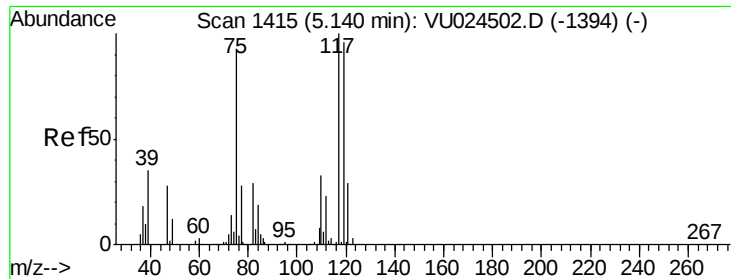
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	21.4	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 3.978 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024793.D
 Acq: 21 Jun 2018 06:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.694 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024793.D

Acq: 21 Jun 2018 06:29

Instrument :

MSVOA_U

ClientSampleId :

CKMW04

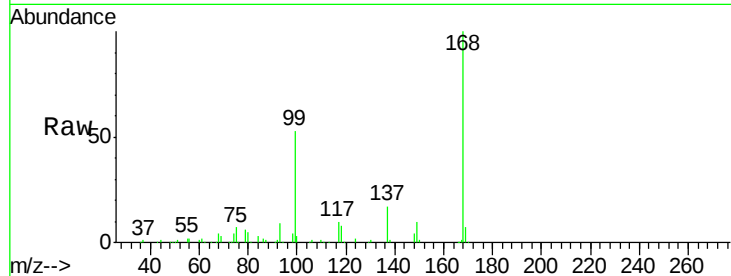
Tgt Ion:117 Resp: 18085

Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

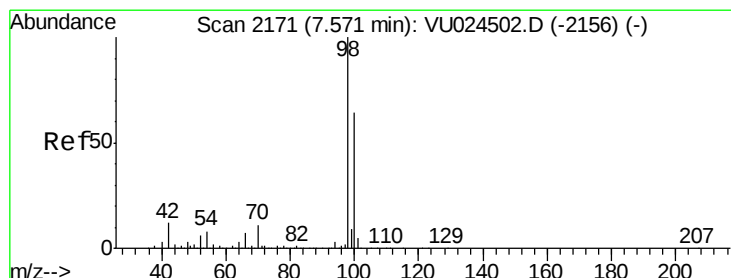
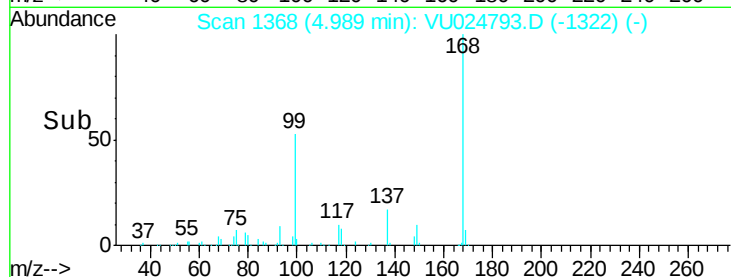
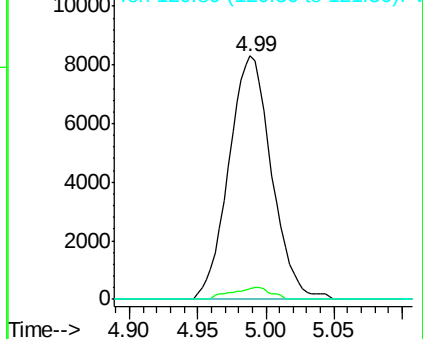
121 0.0 23.7 35.5#



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: 47.864 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024793.D

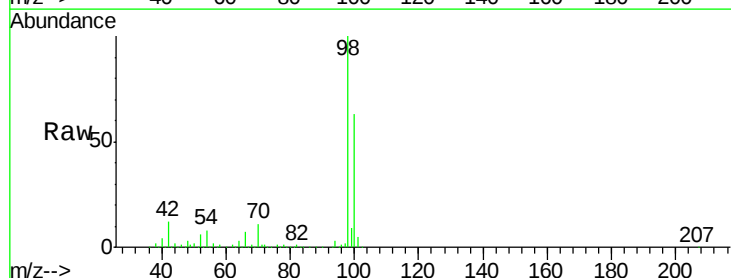
Acq: 21 Jun 2018 06:29

Tgt Ion: 98 Resp: 431998

Ion Ratio Lower Upper

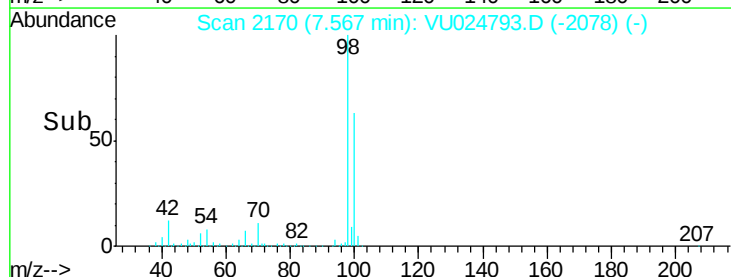
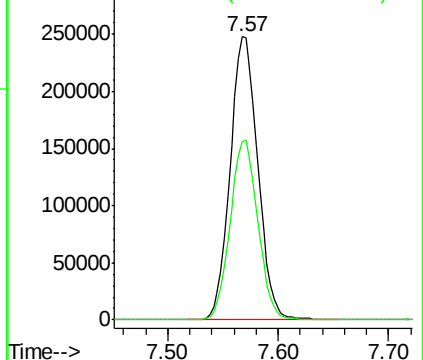
98 100

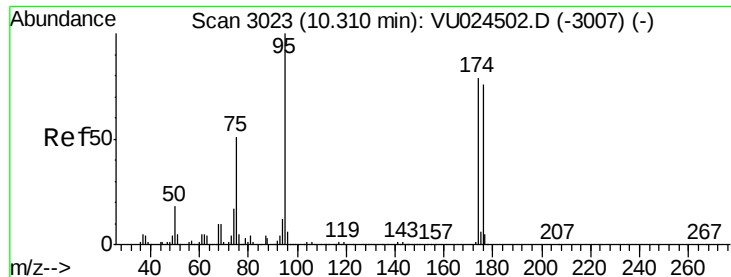
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

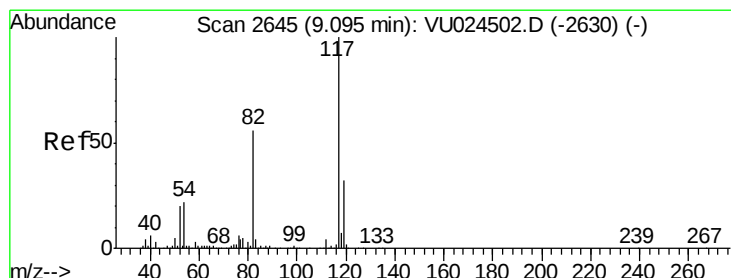
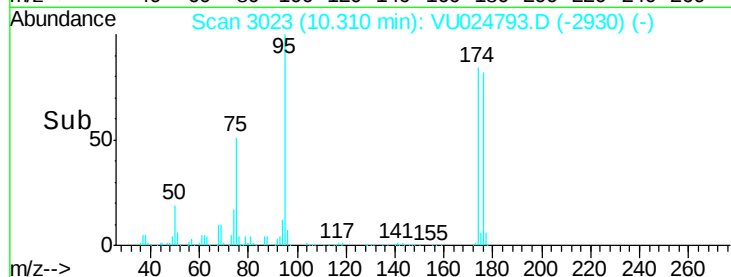
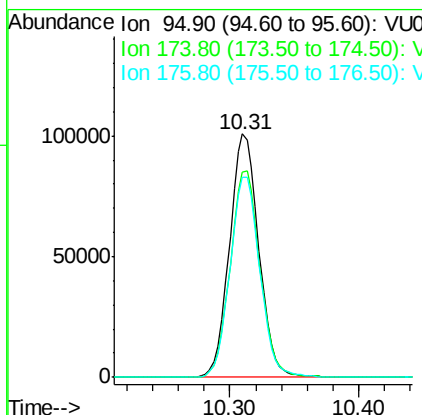
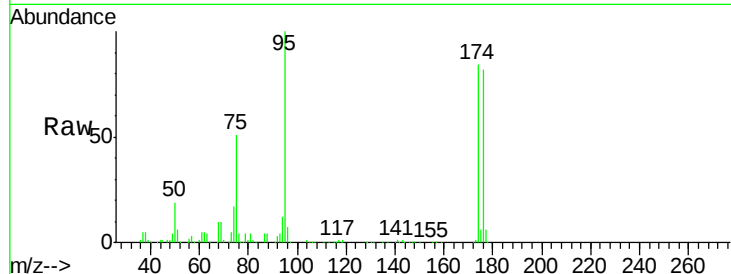




#62
4-Bromofluorobenzene
Concen: 44.280 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024793.D
Acq: 21 Jun 2018 06:29

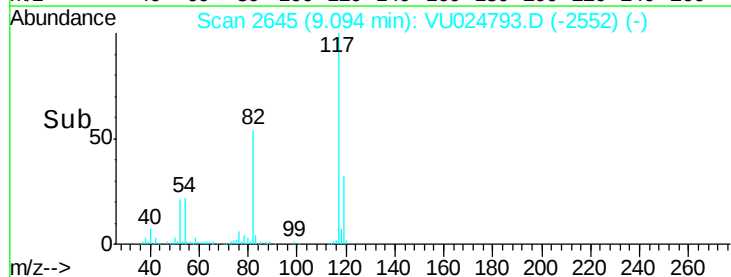
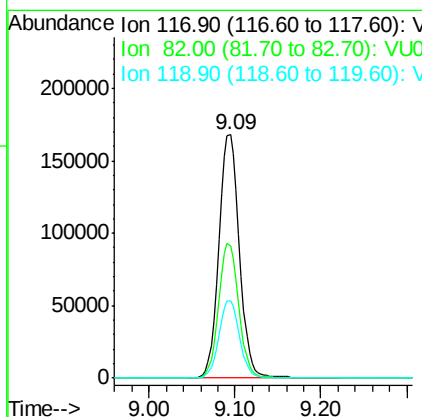
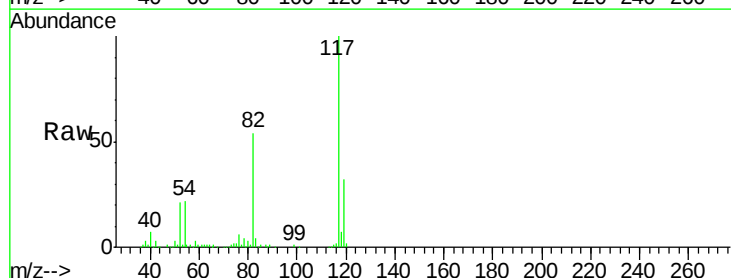
Instrument :
MSVOA_U
ClientSampleId :
CKMW04

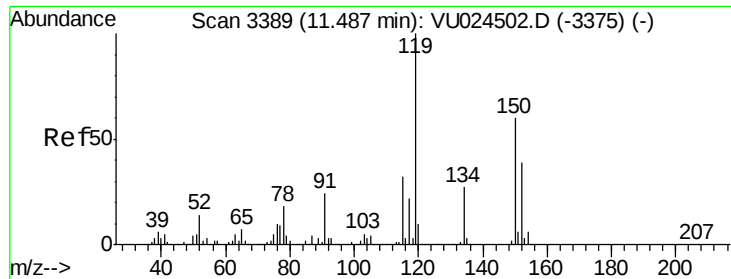
Tgt Ion: 95 Resp: 158680
Ion Ratio Lower Upper
95 100
174 86.4 0.0 165.8
176 83.9 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024793.D
Acq: 21 Jun 2018 06:29

Tgt Ion: 117 Resp: 279218
Ion Ratio Lower Upper
117 100
82 54.5 44.3 66.5
119 31.9 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: VU024793.D

Acq: 21 Jun 2018 06:29

Instrument :

MSVOA_U

ClientSampleId :

CKMW04

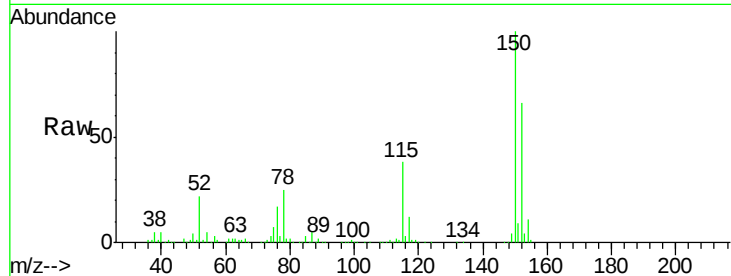
Tgt Ion:152 Resp: 150964

Ion Ratio Lower Upper

152 100

115 57.6 43.0 129.0

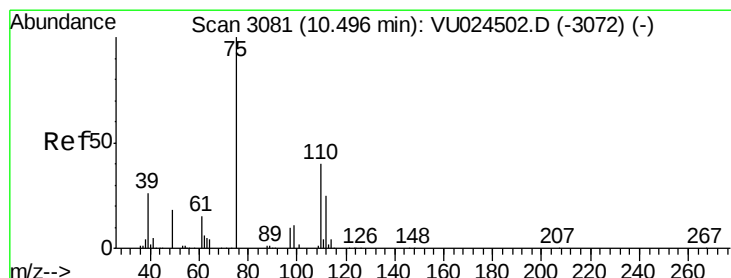
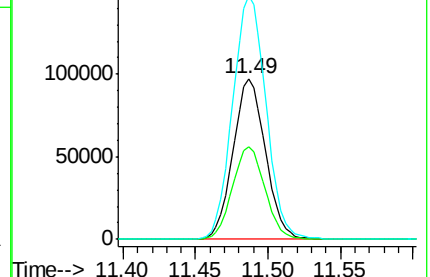
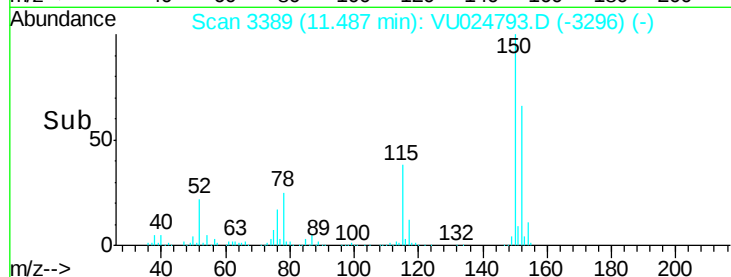
150 155.8 0.0 354.0



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: 24.585 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024793.D

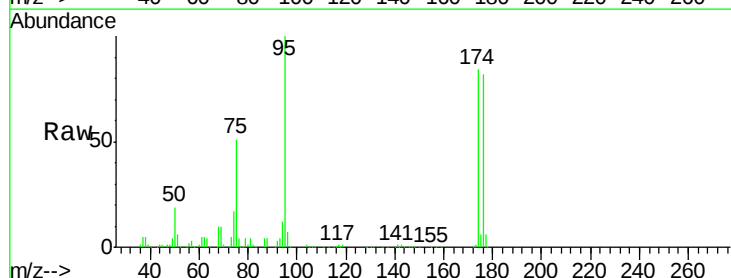
Acq: 21 Jun 2018 06:29

Tgt Ion: 75 Resp: 81714

Ion Ratio Lower Upper

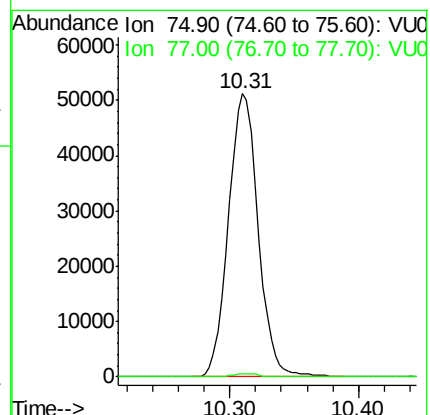
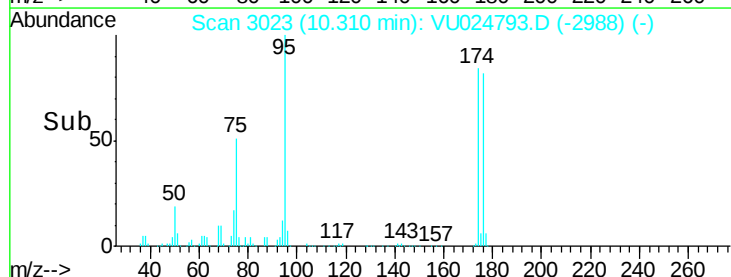
75 100

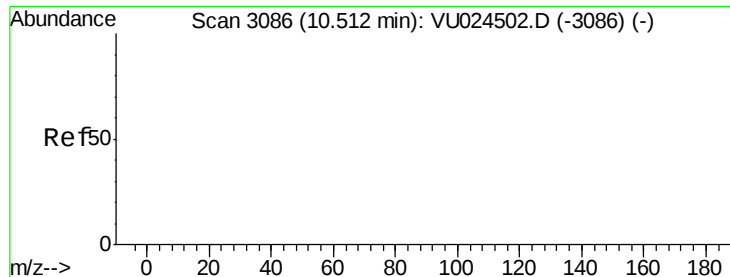
77 0.9 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

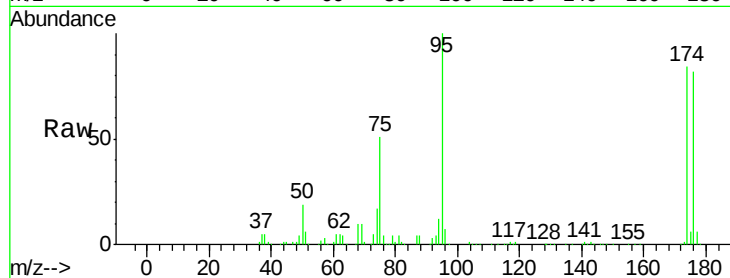




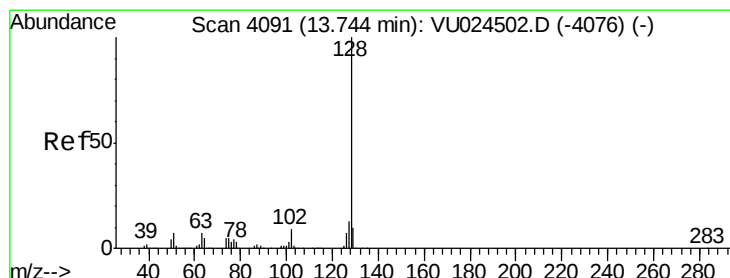
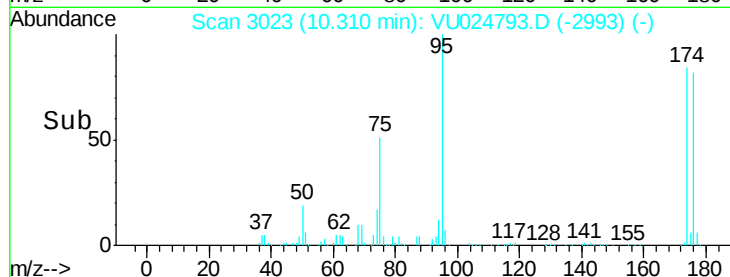
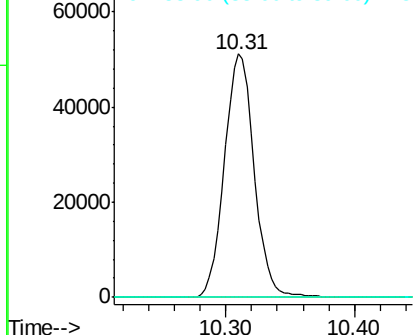
#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.901 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024793.D
 Acq: 21 Jun 2018 06:29

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW04

Tgt Ion: 75 Resp: 81714
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

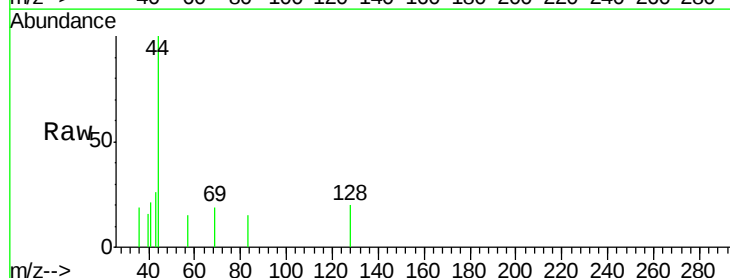


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 53.00 (52.70 to 53.70): VU0
 Ion 88.90 (88.60 to 89.60): VU0



#95
 Naphthalene
 Concen: 0.690 ug/l
 RT: 13.76 min Scan# 4096
 Delta R.T. 0.02 min
 Lab File: VU024793.D
 Acq: 21 Jun 2018 06:29

Tgt Ion: 128 Resp: 122
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

