

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024790.D
 Acq On : 21 Jun 2018 05:16
 Operator : MD/SY
 Sample : J3585-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW05

Quant Time: Jun 21 07:59:12 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	191513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	295639	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	276826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150499	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	135919	43.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.94%	
35) Dibromofluoromethane	4.89	113	113640	46.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.64%	
50) Toluene-d8	7.57	98	429969	48.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	10.31	95	158889	44.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.44%	

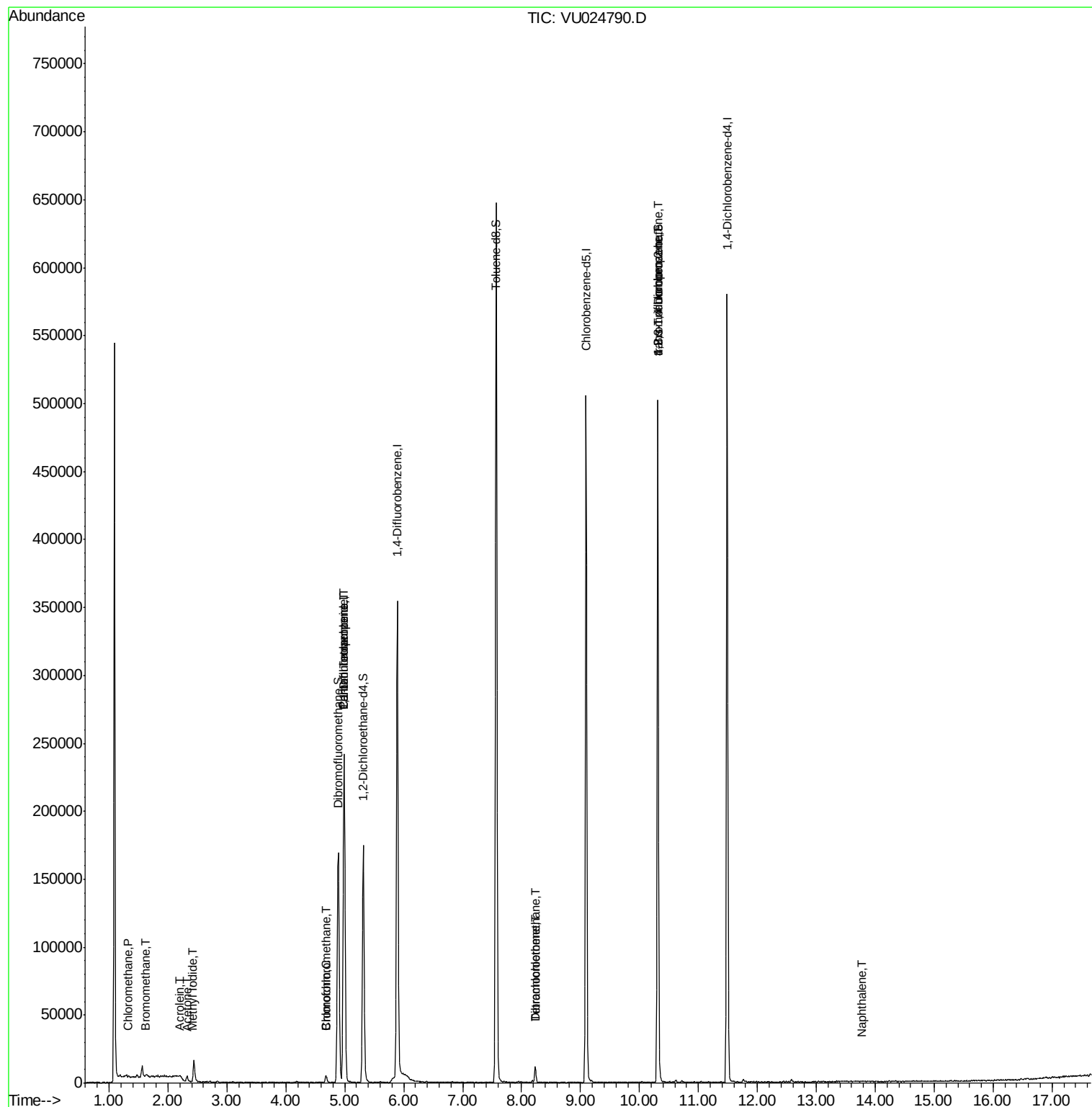
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1197	0.489	ug/l #	81
5) Bromomethane	1.63	94	485	0.397	ug/l #	73
6) Chloroethane	1.70	64	92	Below Cal	#	43
10) Methyl Iodide	2.41	142	46	5.309	ug/l #	40
13) Acrolein	2.19	56	260	0.651	ug/l	92
16) Acetone	2.32	43	4162	2.478	ug/l	98
28) Bromochloromethane	4.68	49	439	0.216	ug/l #	16
30) Chloroform	4.68	83	4979	1.065	ug/l	96
31) Cyclohexane	4.99	56	3776	Below Cal	#	28
36) 1,1-Dichloropropene	4.99	75	13363	3.847	ug/l #	51
38) Carbon Tetrachloride	4.99	117	17485	4.577	ug/l #	16
60) Dibromochloromethane	8.23	129	2560	0.793	ug/l #	11
64) Tetrachloroethene	8.23	164	2894	1.100	ug/l	94
76) 1,2,3-Trichloropropane	10.31	75	80815	24.390	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	80815	56.449	ug/l #	100
95) Naphthalene	13.77	128	41	0.683	ug/l #	69

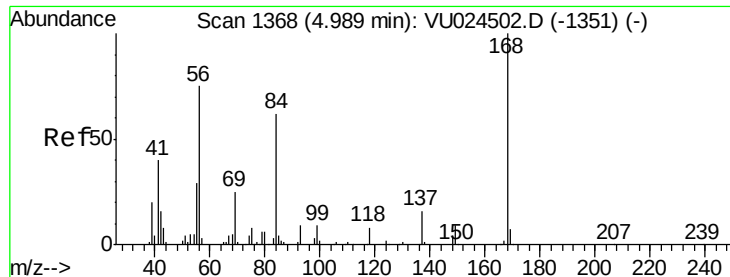
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024790.D

Acq: 21 Jun 2018 05:16

Instrument :

MSVOA_U

ClientSampleId :

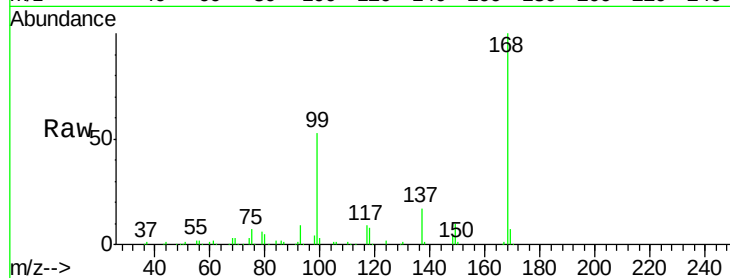
CKMW05

Tgt Ion:168 Resp: 191513

Ion Ratio Lower Upper

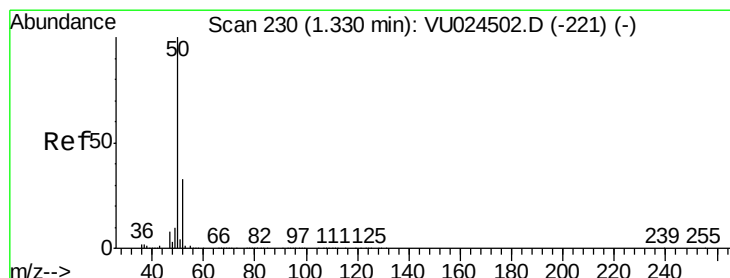
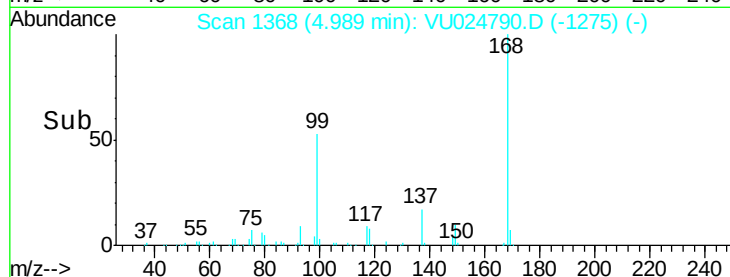
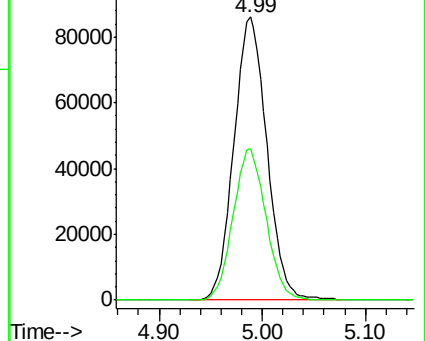
168 100

99 53.5 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: 0.489 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024790.D

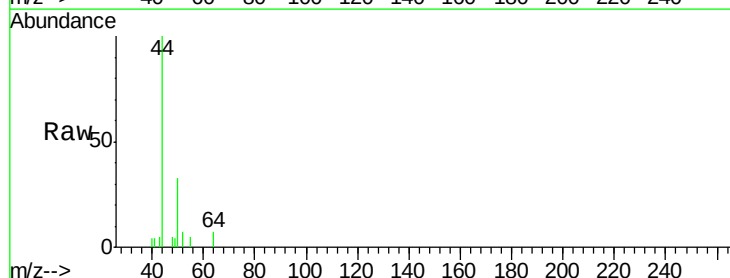
Acq: 21 Jun 2018 05:16

Tgt Ion: 50 Resp: 1197

Ion Ratio Lower Upper

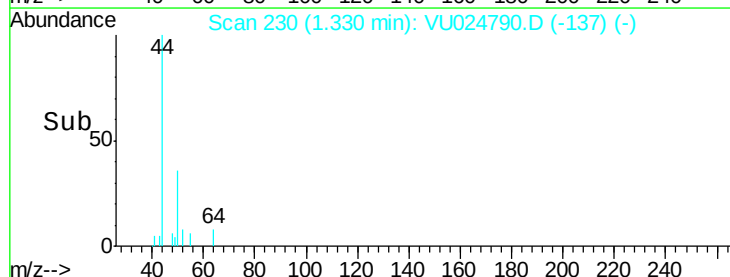
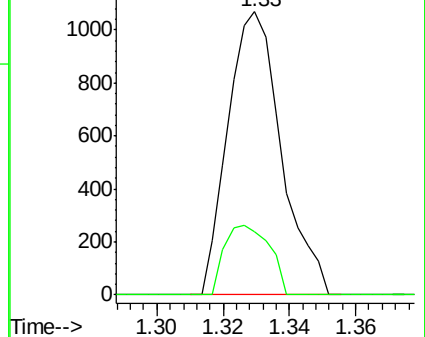
50 100

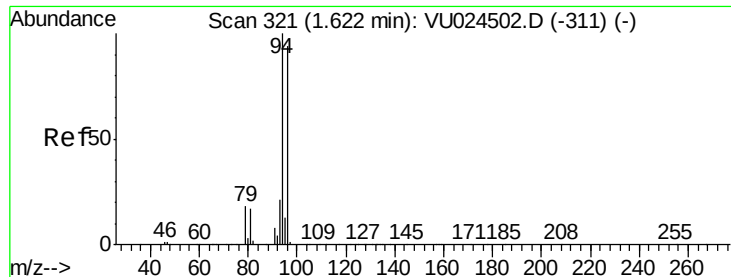
52 22.3 26.4 39.6#



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

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





#5

Bromomethane

Concen: 0.397 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024790.D

Acq: 21 Jun 2018 05:16

Instrument :

MSVOA_U

ClientSampleId :

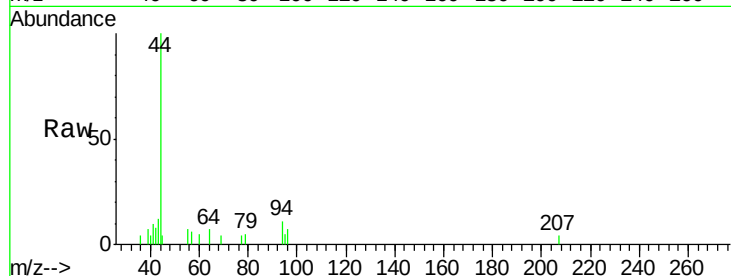
CKMW05

Tgt Ion: 94 Resp: 485

Ion Ratio Lower Upper

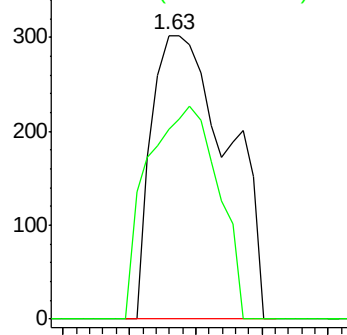
94 100

96 66.9 74.5 111.7#

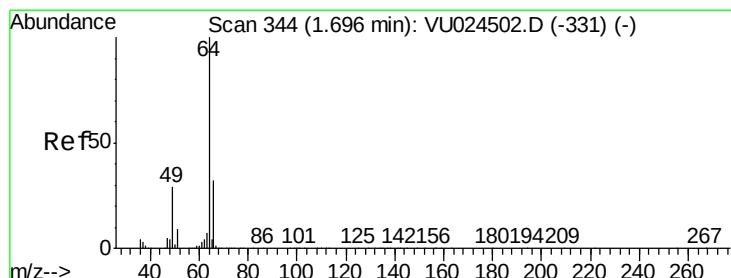
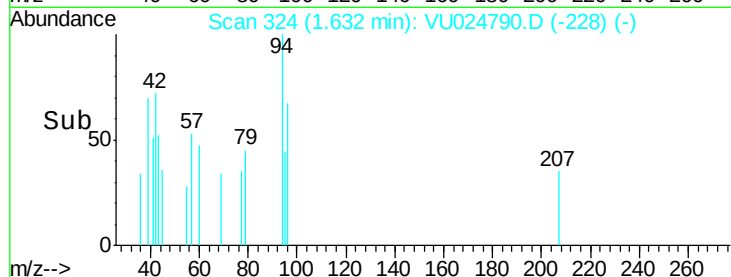


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024790.D

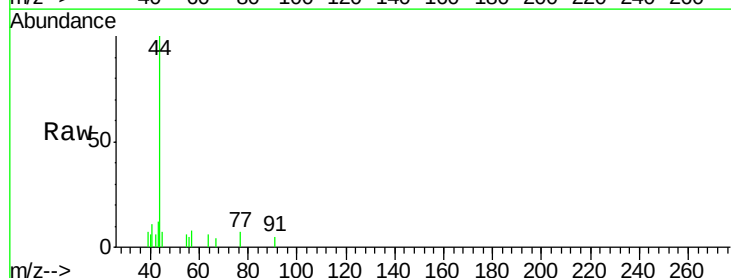
Acq: 21 Jun 2018 05:16

Tgt Ion: 64 Resp: 92

Ion Ratio Lower Upper

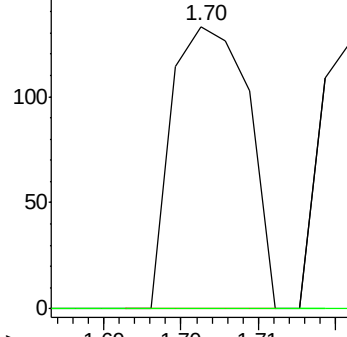
64 100

66 0.0 25.5 38.3#

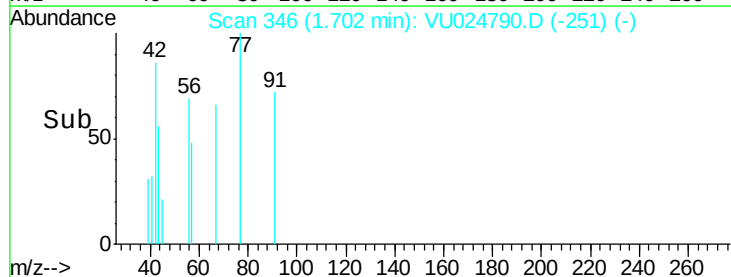


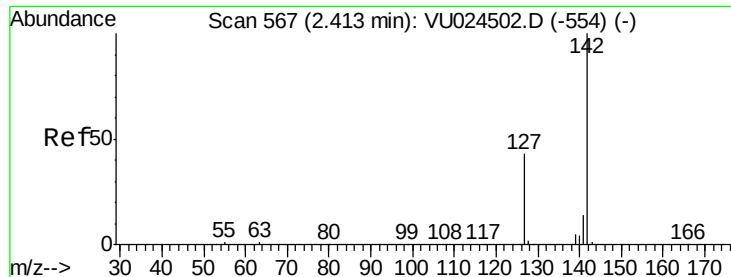
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#10

Methyl Iodide

Concen: 5.309 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024790.D

Acq: 21 Jun 2018 05:16

Instrument :

MSVOA_U

ClientSampleId :

CKMW05

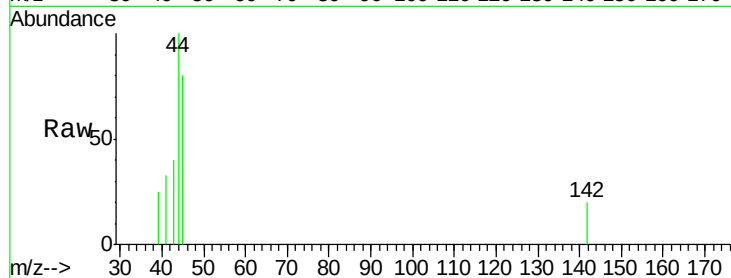
Tgt Ion:142 Resp: 46

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

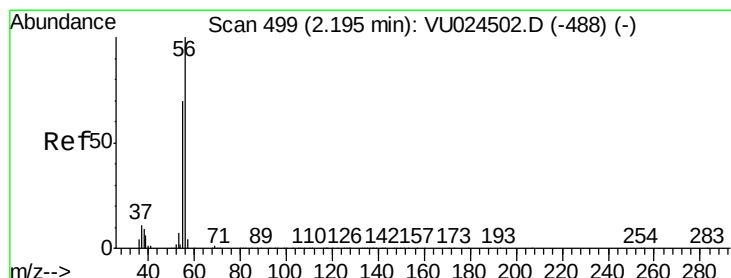
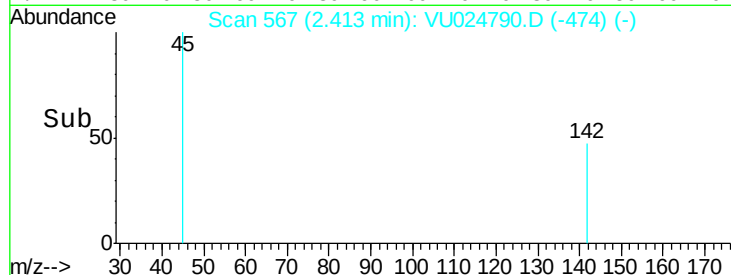
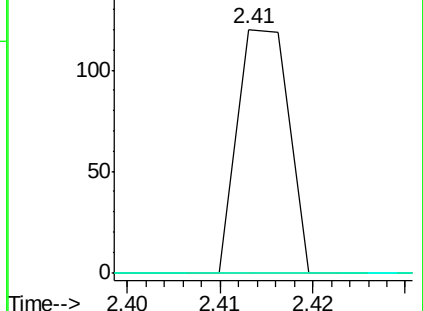
141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 0.651 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024790.D

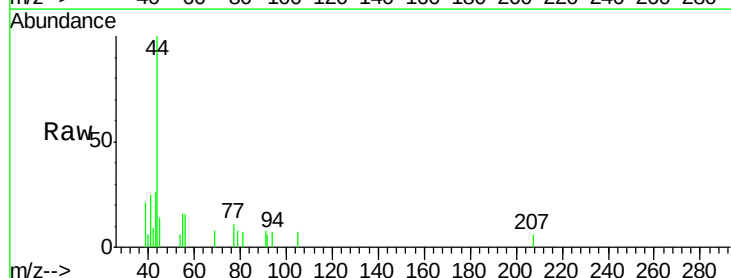
Acq: 21 Jun 2018 05:16

Tgt Ion: 56 Resp: 260

Ion Ratio Lower Upper

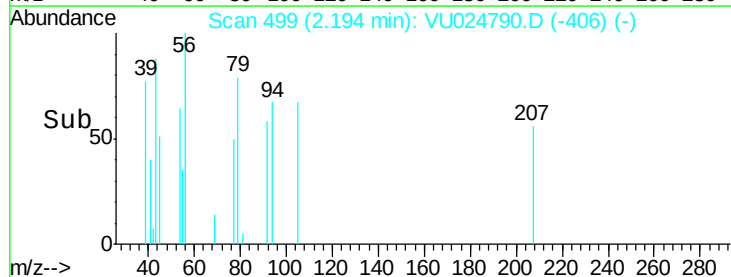
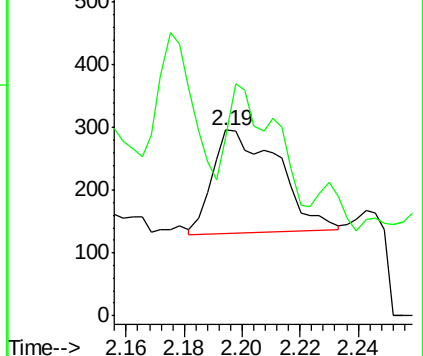
56 100

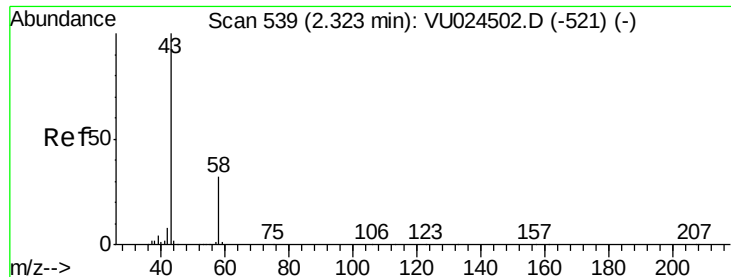
55 80.0 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#16

Acetone

Concen: 2.478 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024790.D

Acq: 21 Jun 2018 05:16

Instrument :

MSVOA_U

ClientSampleId :

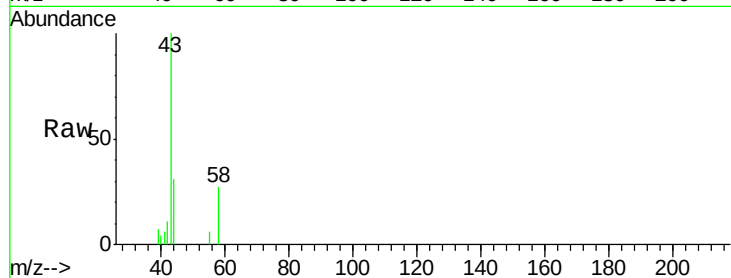
CKMW05

Tgt Ion: 43 Resp: 4162

Ion Ratio Lower Upper

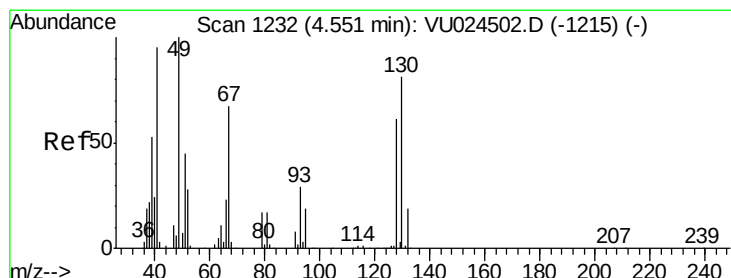
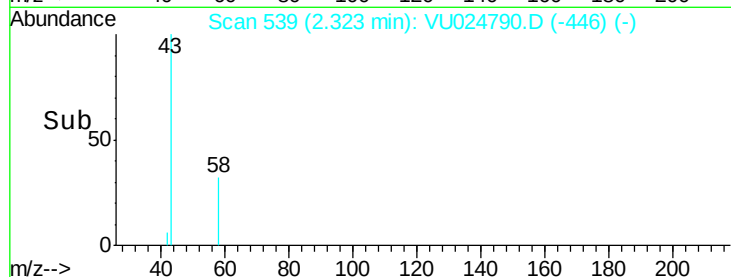
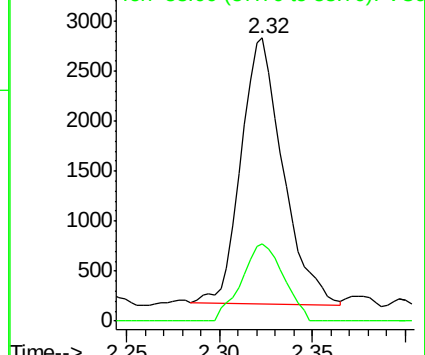
43 100

58 29.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#28

Bromochloromethane

Concen: 0.216 ug/l

RT: 4.68 min Scan# 1273

Delta R.T. 0.13 min

Lab File: VU024790.D

Acq: 21 Jun 2018 05:16

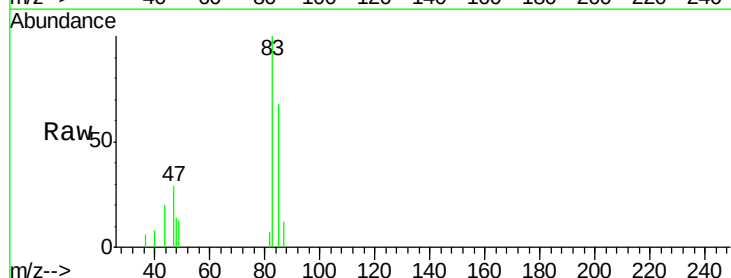
Tgt Ion: 49 Resp: 439

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

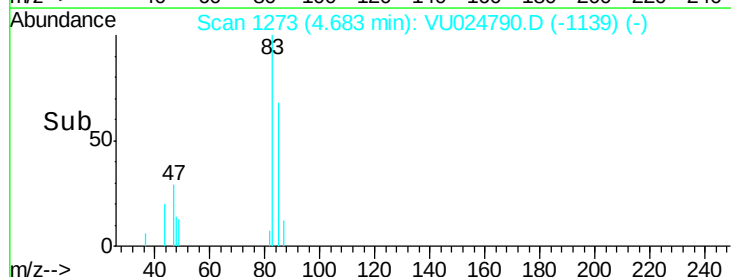
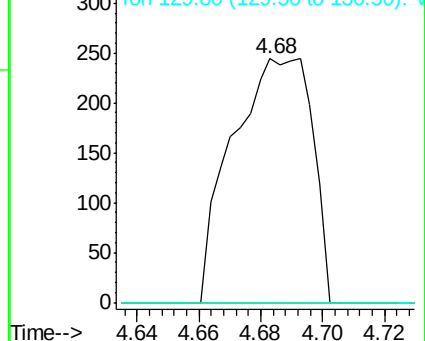
130 0.0 57.8 86.6#

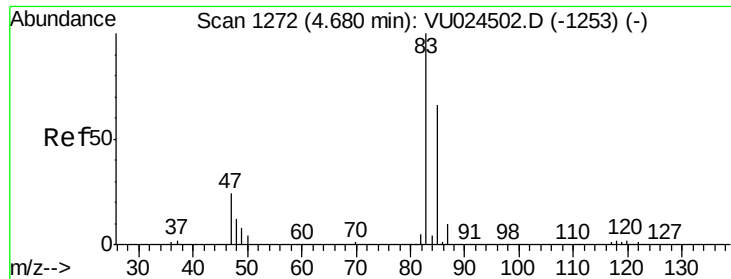


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

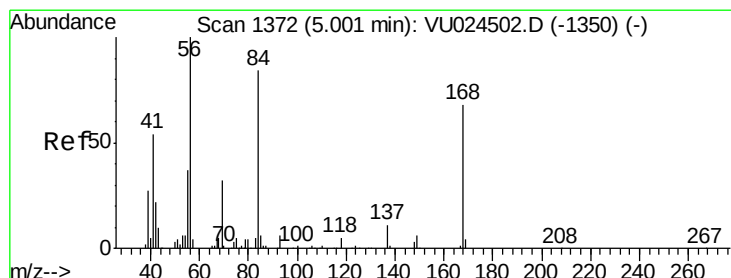
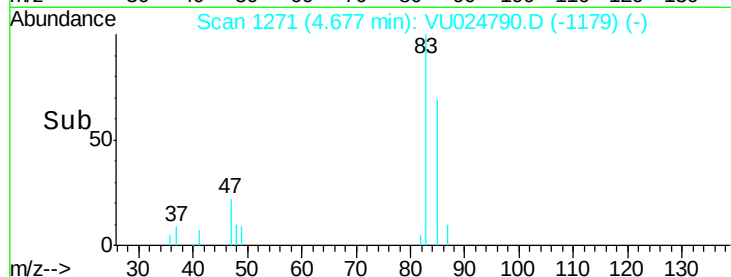
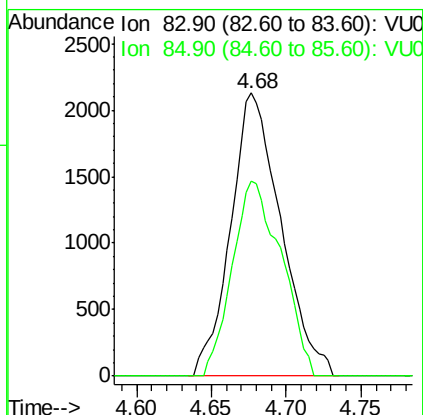
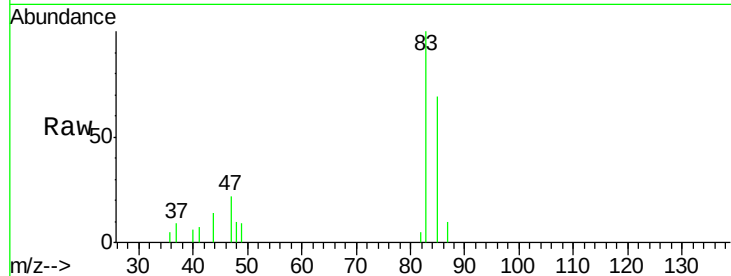




#30
Chloroform
Concen: 1.065 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024790.D
Acq: 21 Jun 2018 05:16

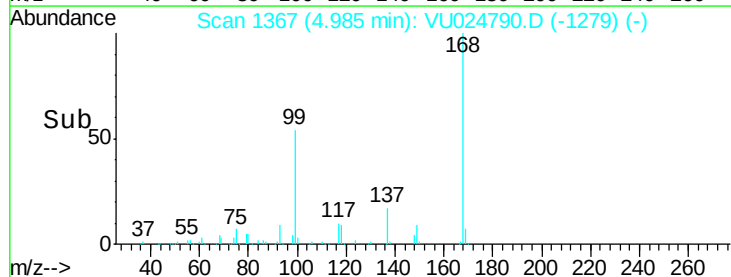
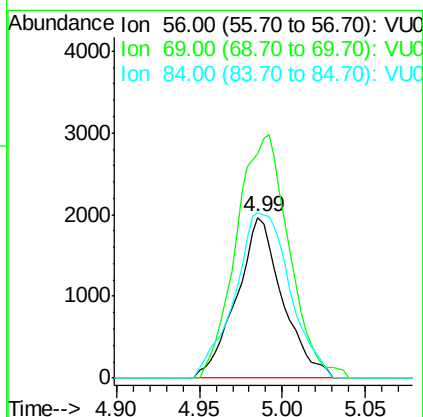
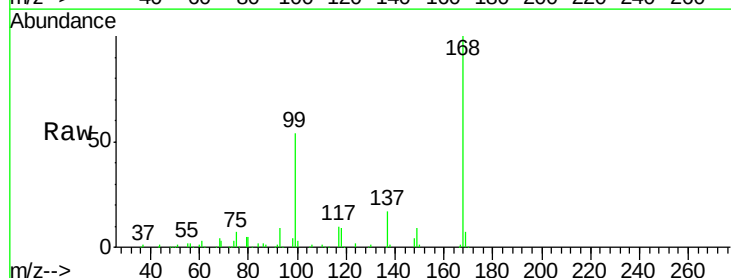
Instrument :
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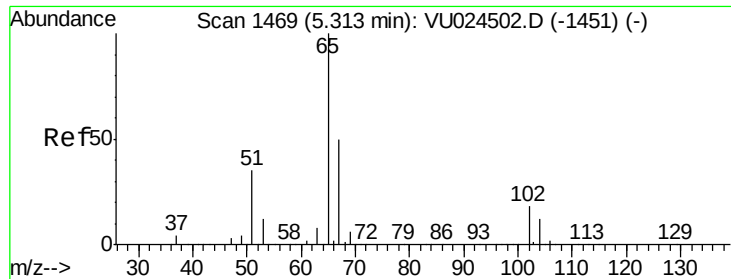
Tgt Ion: 83 Resp: 4979
Ion Ratio Lower Upper
83 100
85 68.9 52.4 78.6



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024790.D
Acq: 21 Jun 2018 05:16

Tgt Ion: 56 Resp: 3776
Ion Ratio Lower Upper
56 100
69 139.7 24.8 37.2#
84 102.6 65.2 97.8#

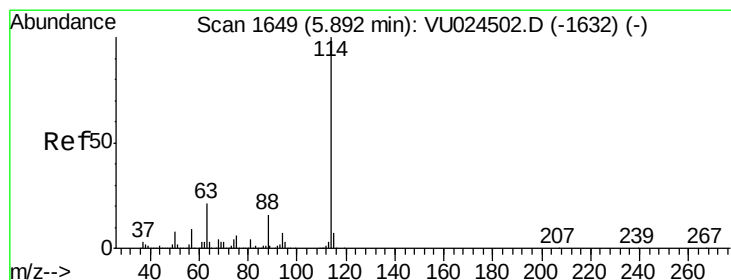
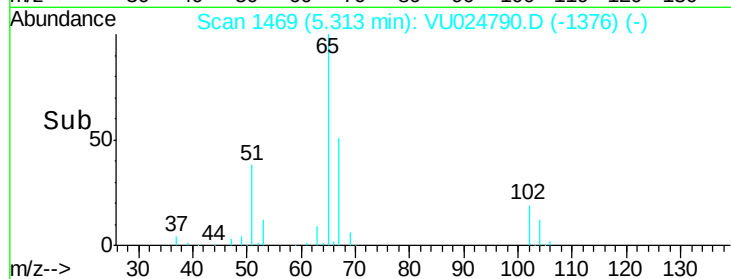
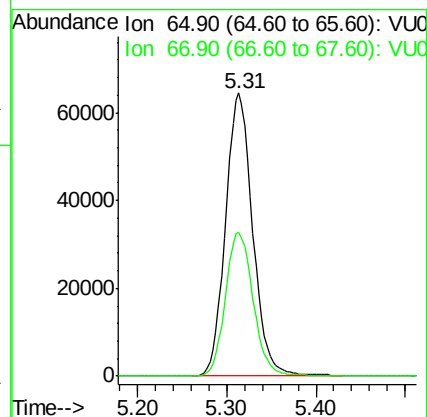
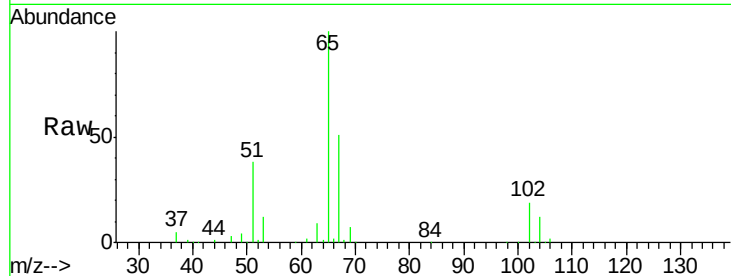




#33
 1,2-Dichloroethane-d4
 Concen: 43.473 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024790.D
 Acq: 21 Jun 2018 05:16

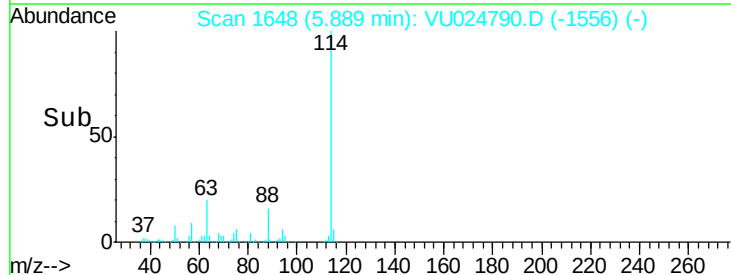
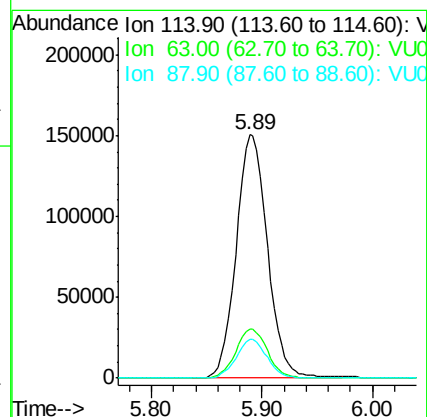
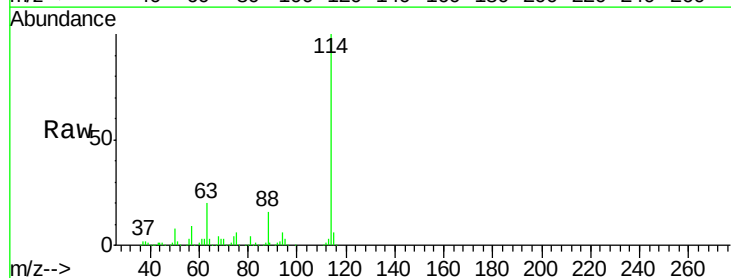
Instrument :
 MSVOA_U
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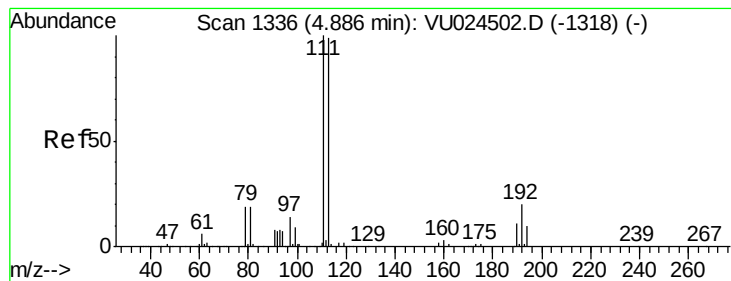
Tgt Ion: 65 Resp: 135919
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024790.D
 Acq: 21 Jun 2018 05:16

Tgt Ion: 114 Resp: 295639
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.4
 88 16.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.316 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024790.D

Acq: 21 Jun 2018 05:16

Instrument :

MSVOA_U

ClientSampleId :

CKMW05

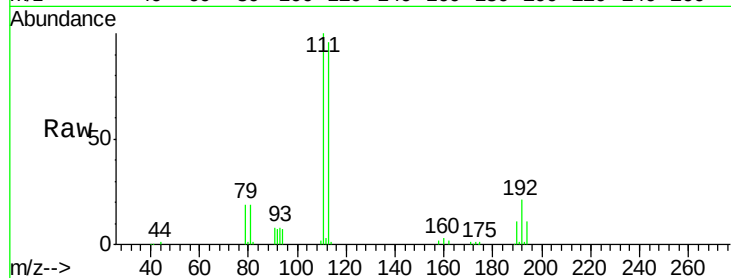
Tgt Ion:113 Resp: 113640

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

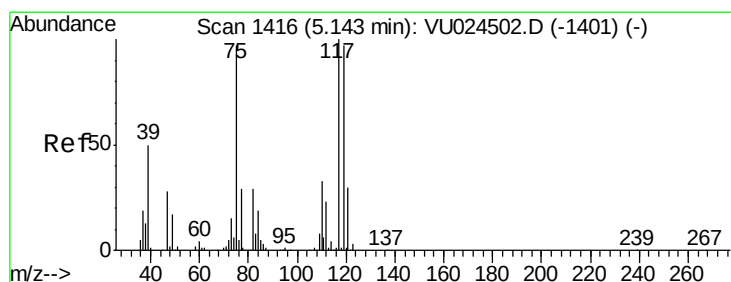
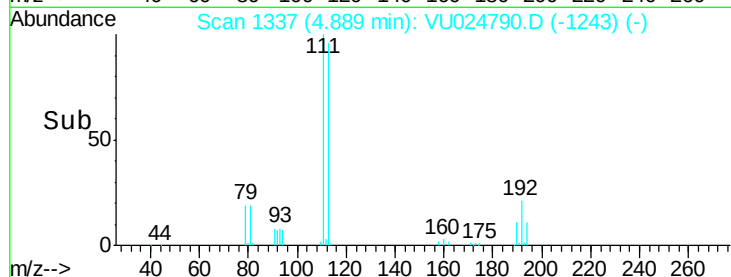
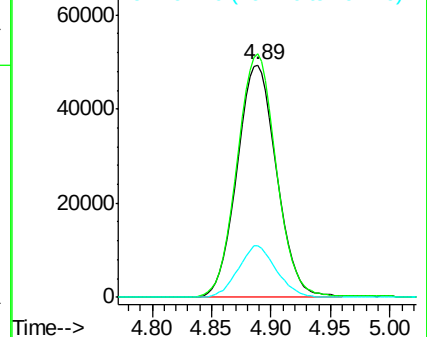
192 21.5 16.2 24.4



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: 3.847 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024790.D

Acq: 21 Jun 2018 05:16

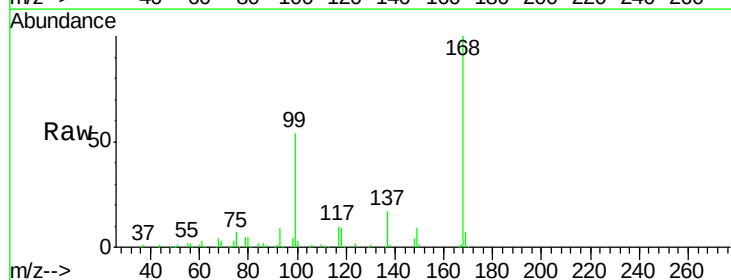
Tgt Ion: 75 Resp: 13363

Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

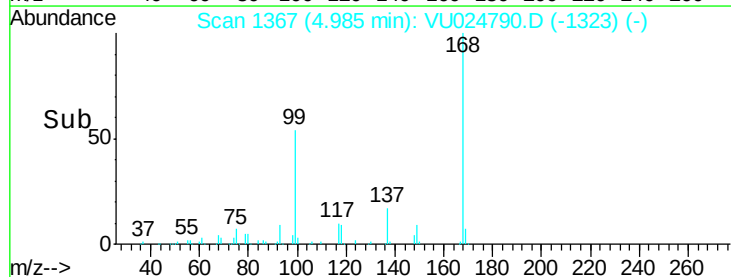
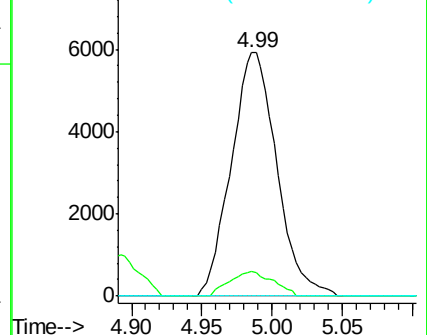
77 0.0 24.2 36.4#

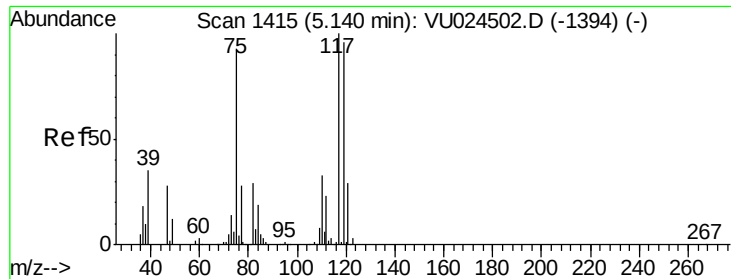


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.577 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024790.D

Acq: 21 Jun 2018 05:16

Instrument :

MSVOA_U

ClientSampleId :

CKMW05

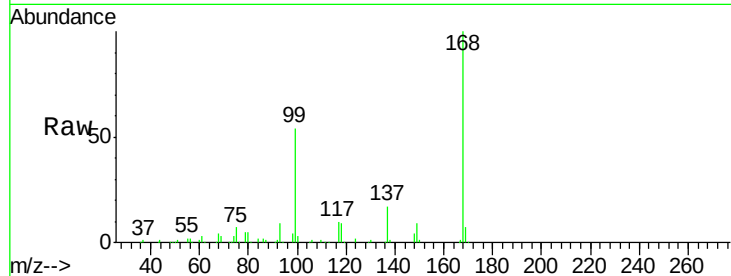
Tgt Ion:117 Resp: 17485

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

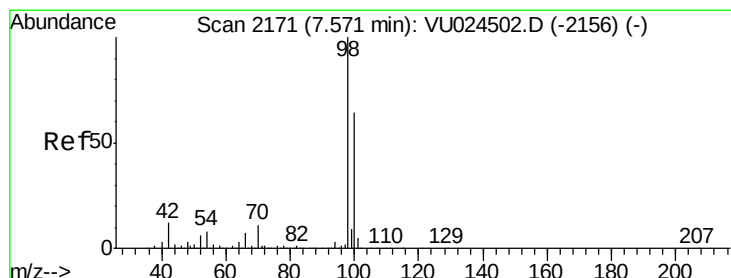
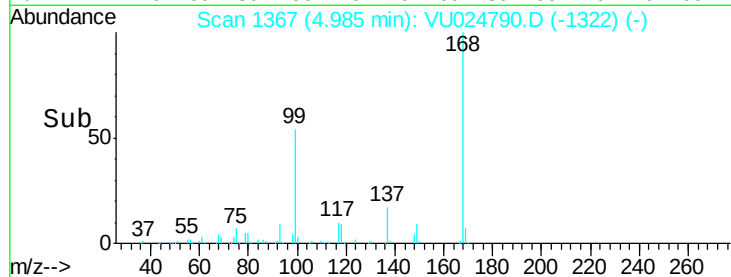
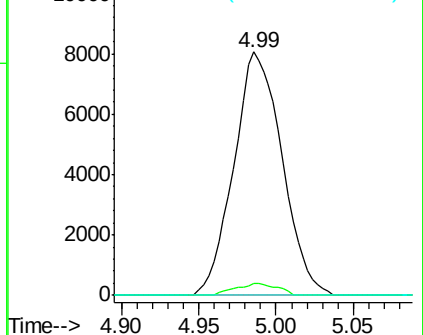
121 0.0 23.7 35.5#



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: 48.043 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024790.D

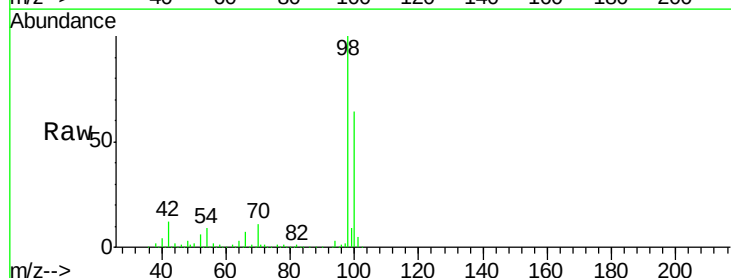
Acq: 21 Jun 2018 05:16

Tgt Ion: 98 Resp: 429969

Ion Ratio Lower Upper

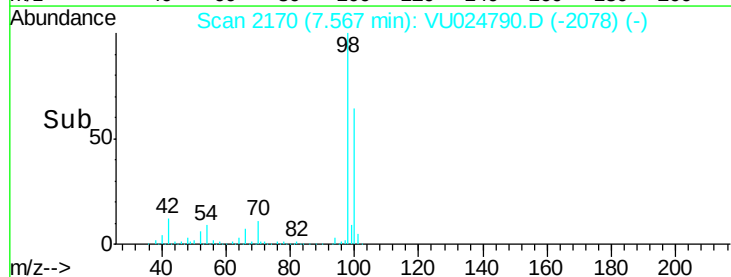
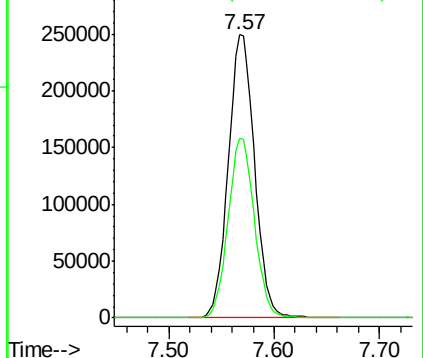
98 100

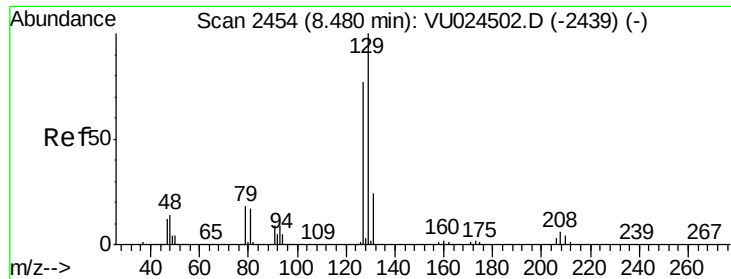
100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

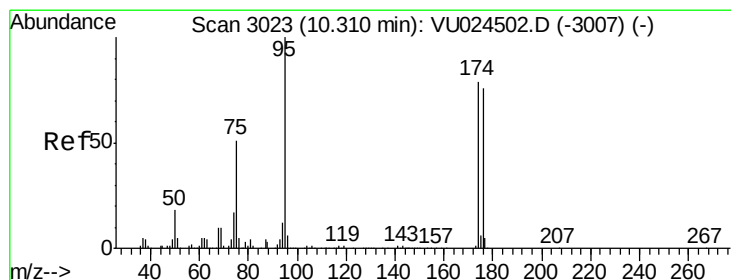
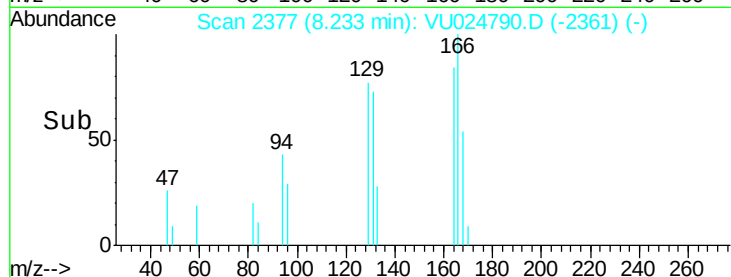
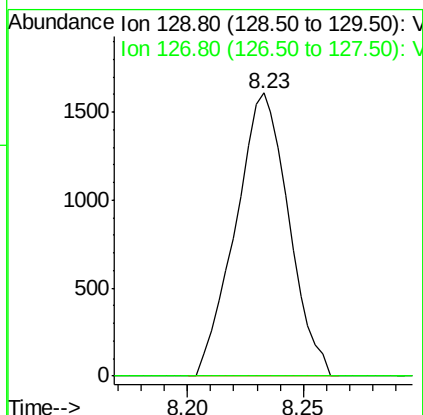
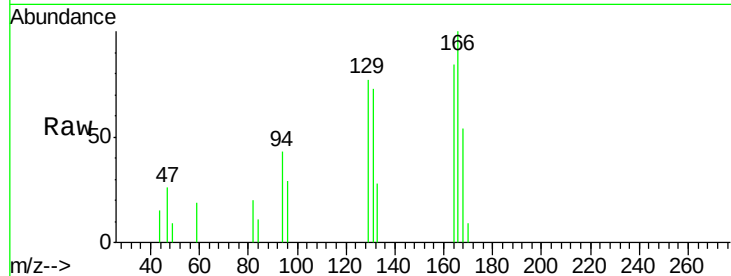




#60
 Dibromochloromethane
 Concen: 0.793 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. -0.25 min
 Lab File: VU024790.D
 Acq: 21 Jun 2018 05:16

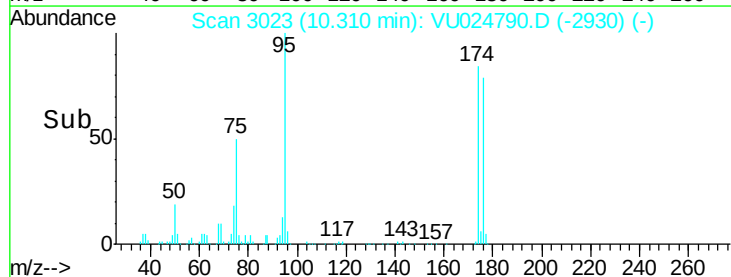
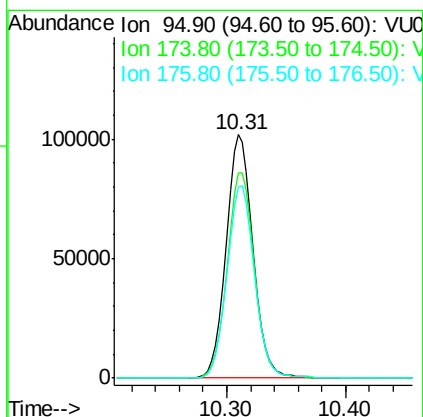
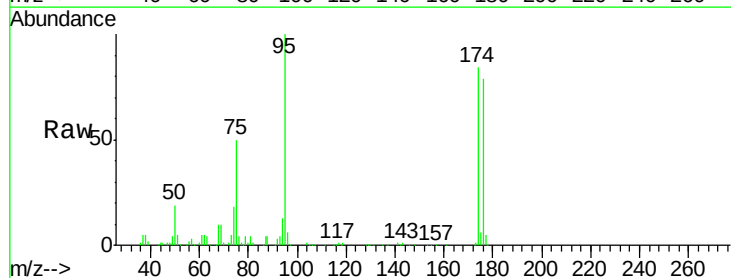
Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW05

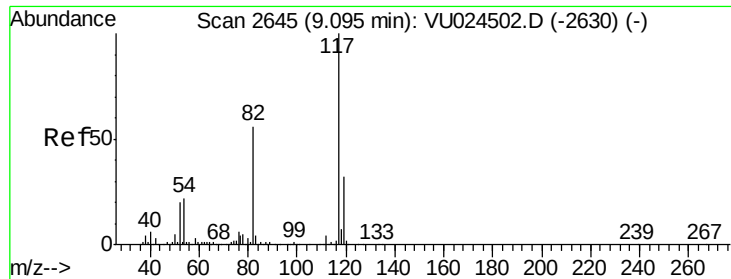
Tgt Ion: 129 Resp: 2560
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 116.0#



#62
 4-Bromofluorobenzene
 Concen: 44.715 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024790.D
 Acq: 21 Jun 2018 05:16

Tgt Ion: 95 Resp: 158889
 Ion Ratio Lower Upper
 95 100
 174 86.1 0.0 165.8
 176 81.5 0.0 159.4

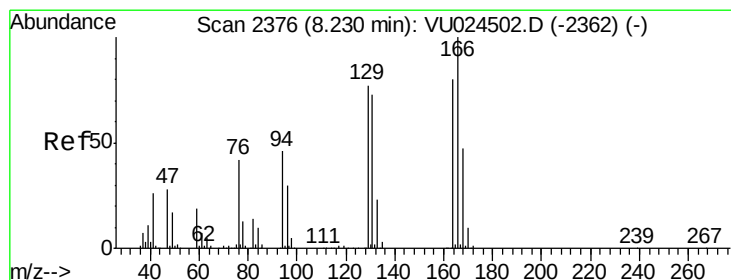
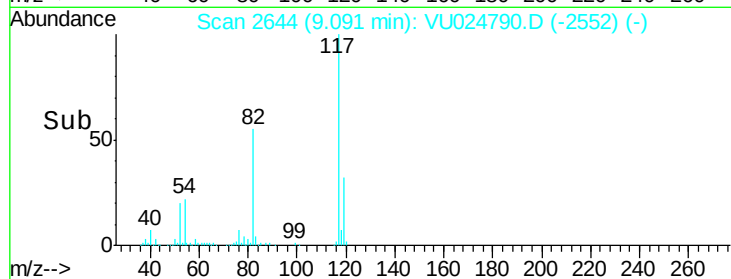
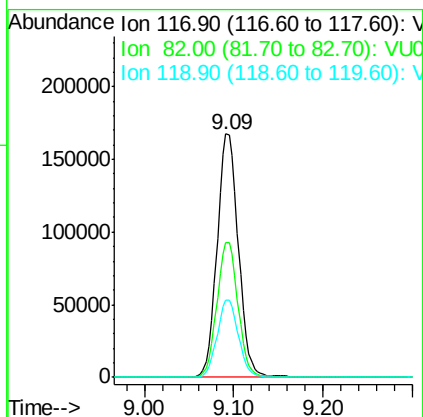
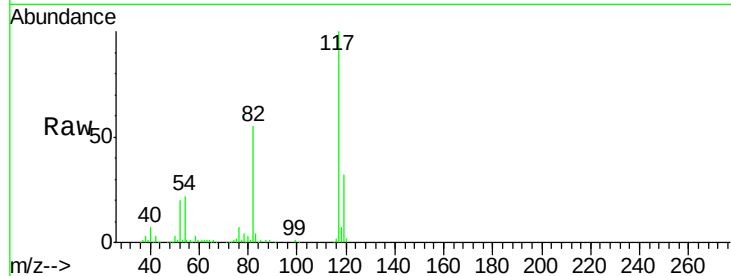




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024790.D
Acq: 21 Jun 2018 05:16

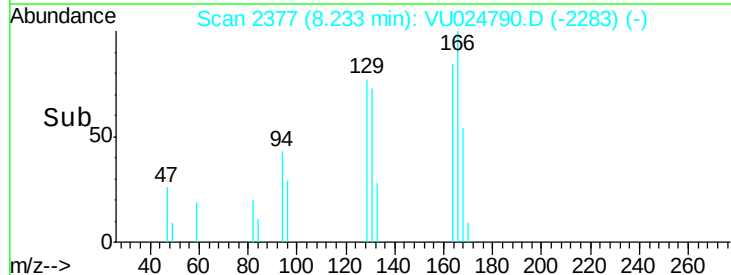
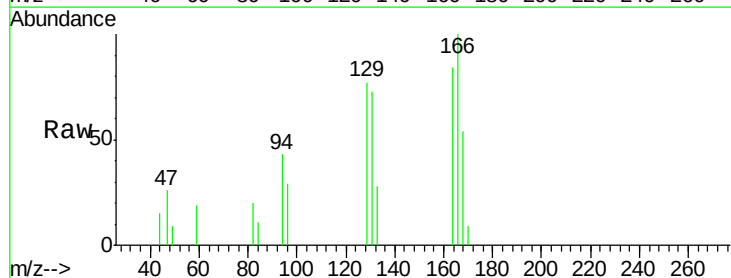
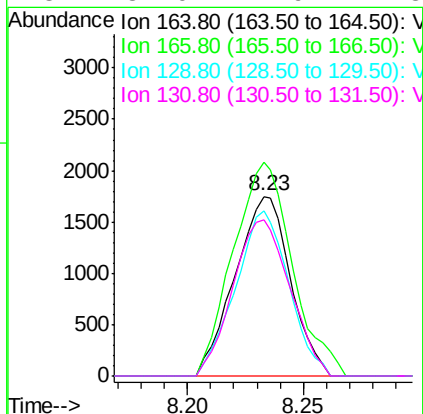
Instrument :
MSVOA_U
ClientSampled :
CKMW05

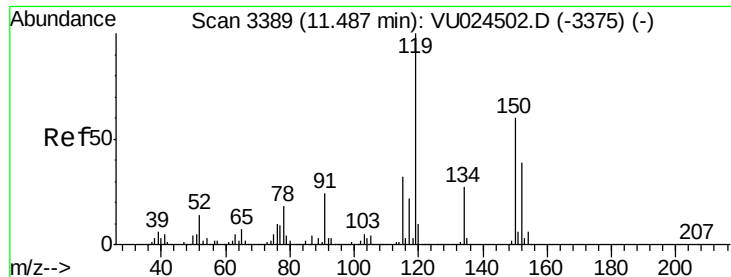
Tgt Ion:117 Resp: 276826
Ion Ratio Lower Upper
117 100
82 55.4 44.3 66.5
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 1.100 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024790.D
Acq: 21 Jun 2018 05:16

Tgt Ion:164 Resp: 2894
Ion Ratio Lower Upper
164 100
166 119.0 101.7 152.5
129 92.0 76.9 115.3
131 87.0 74.9 112.3

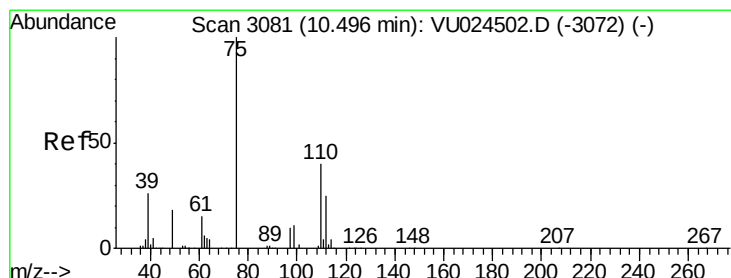
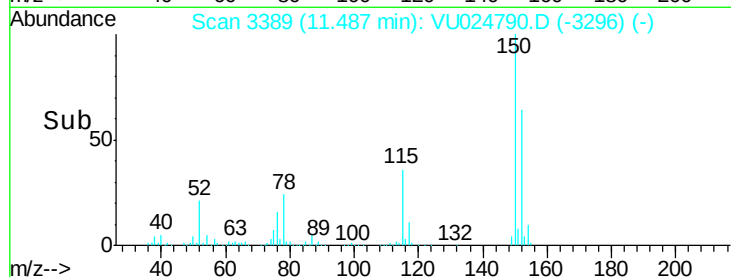
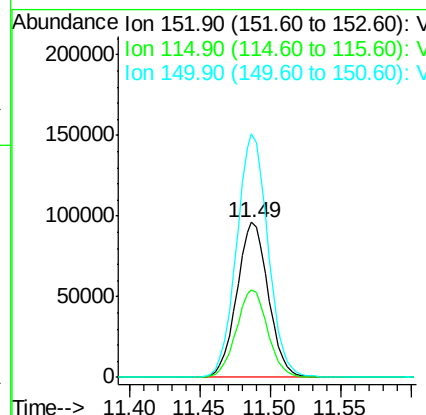
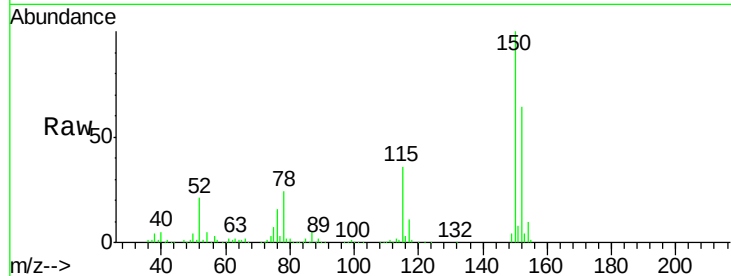




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024790.D
 Acq: 21 Jun 2018 05:16

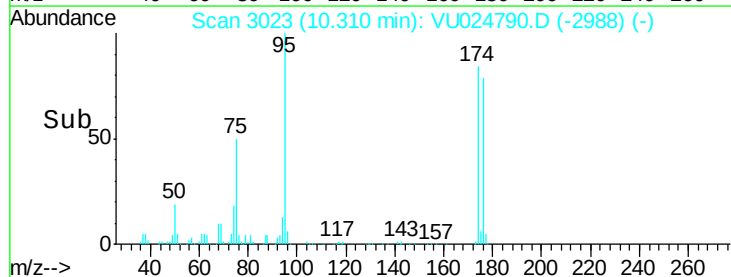
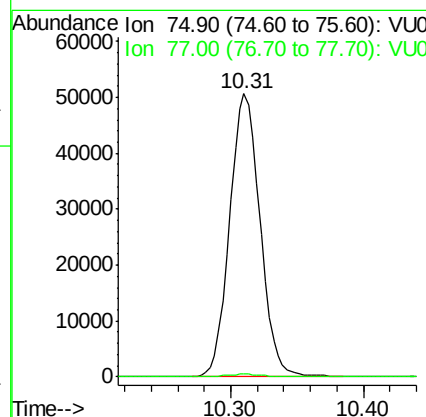
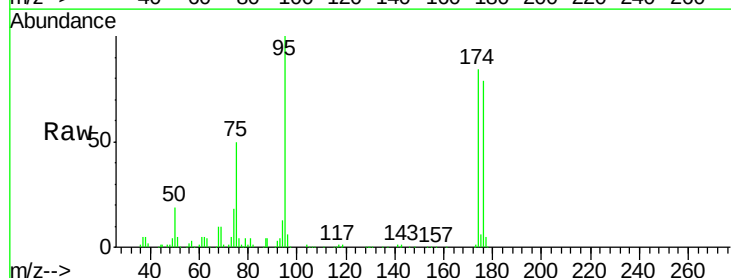
Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW05

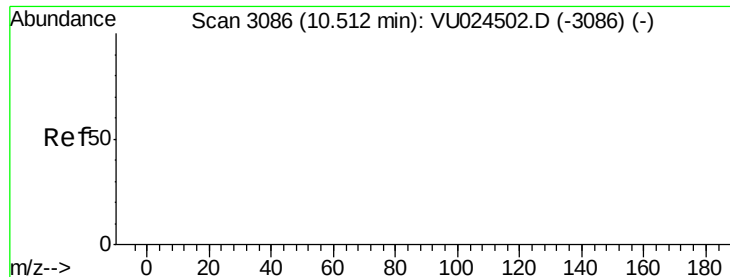
Tgt Ion:152 Resp: 150499
 Ion Ratio Lower Upper
 152 100
 115 56.3 43.0 129.0
 150 156.5 0.0 354.0



#76
 1,2,3-Trichloropropane
 Concen: 24.390 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024790.D
 Acq: 21 Jun 2018 05:16

Tgt Ion: 75 Resp: 80815
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 56.449 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024790.D

Acq: 21 Jun 2018 05:16

Instrument :

MSVOA_U

ClientSampleId :

CKMW05

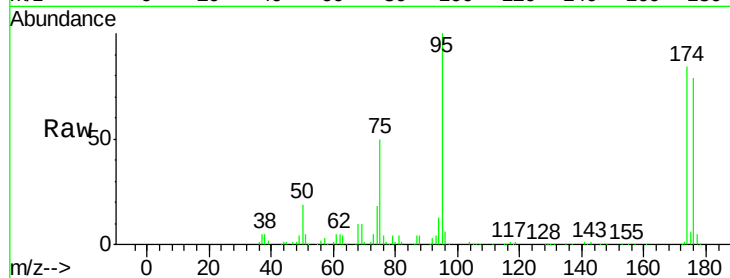
Tgt Ion: 75 Resp: 80815

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

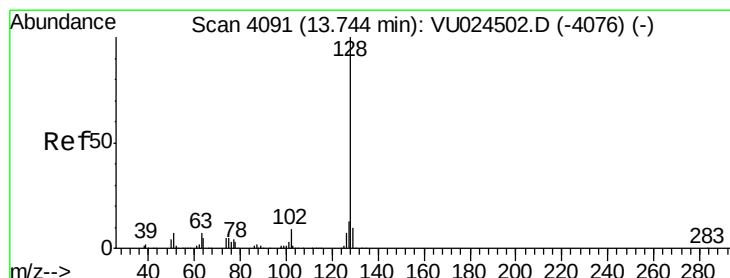
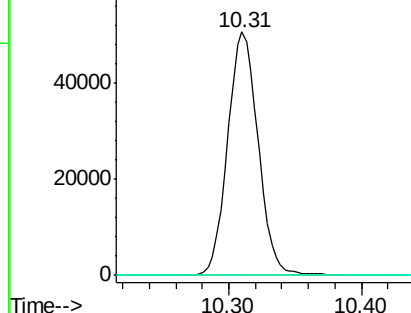
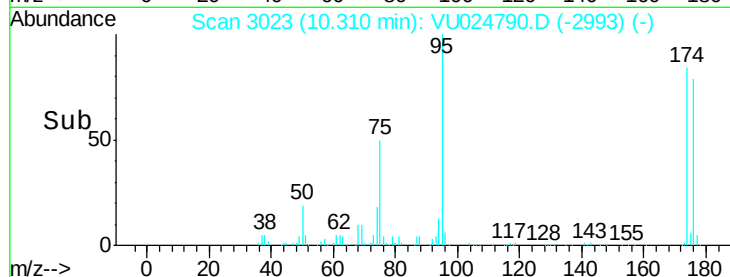
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024790.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024790.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024790.D (-2993) (-)



#95

Naphthalene

Concen: 0.683 ug/l

RT: 13.77 min Scan# 4100

Delta R.T. 0.03 min

Lab File: VU024790.D

Acq: 21 Jun 2018 05:16

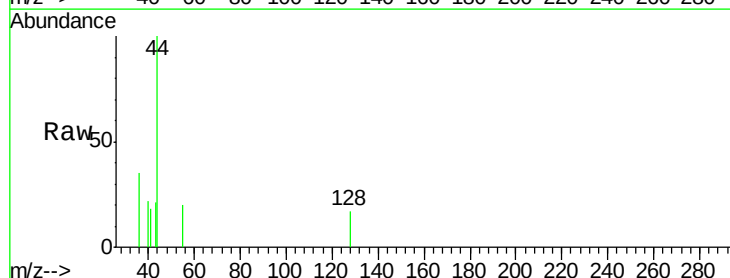
Tgt Ion: 128 Resp: 41

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): VU024790.D (-3997) (-)

Ion 127.00 (126.70 to 127.70): VU024790.D (-3997) (-)

Ion 129.00 (128.70 to 129.70): VU024790.D (-3997) (-)

