

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025343.D
 Acq On : 12 Jul 2018 16:43
 Operator : MD/SY
 Sample : J3922-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0495-180709

Quant Time: Jul 13 01:10:59 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	205100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304968	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146807	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	155918	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
35) Dibromofluoromethane	4.89	113	120729	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
50) Toluene-d8	7.57	98	443686	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	10.31	95	161835	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	563	0.83	ug/l	99
4) Vinyl Chloride	1.40	62	12859	5.51	ug/l	98
5) Bromomethane	1.63	94	330	Below Cal	#	78
6) Chloroethane	1.70	64	136	0.38	ug/l #	43
10) Methyl Iodide	2.43	142	487	7.87	ug/l #	58
11) Tert butyl alcohol	2.84	59	1571	2.26	ug/l #	73
13) Acrolein	2.20	56	139	0.30	ug/l #	1
14) Allyl chloride	2.71	41	14274	3.79	ug/l #	55
15) Acrylonitrile	2.71	53	1344	0.94	ug/l #	32
16) Acetone	2.32	43	1864	5.99	ug/l	89
17) Carbon Disulfide	2.48	76	1487	2.17	ug/l #	89
18) Methyl Acetate	2.71	43	33645	10.31	ug/l #	52
20) Methylene Chloride	2.70	84	132	0.74	ug/l #	1
25) 2-Butanone	4.23	43	2891	1.31	ug/l #	49
27) cis-1,2-Dichloroethene	4.23	96	15050	5.47	ug/l	91
31) Cyclohexane	4.99	56	4735	1.90	ug/l #	19
36) 1,1-Dichloropropene	4.99	75	14228	4.20	ug/l #	51
37) Ethyl Acetate	4.23	43	2891	0.76	ug/l #	1
38) Carbon Tetrachloride	4.99	117	20064	5.50	ug/l #	15
39) Methylcyclohexane	6.40	83	1619	0.38	ug/l #	59
43) Isopropyl Acetate	5.54	43	39431	6.51	ug/l #	61
48) Methyl methacrylate	6.59	41	5498	1.82	ug/l #	33
58) 2-Chloroethyl Vinyl ether	7.06	63	90	11.21	ug/l #	47
59) 2-Hexanone	8.17	43	2846	0.89	ug/l	69
74) N-amyl acetate	10.01	43	94	1.29	ug/l #	43
76) 1,2,3-Trichloropropane	10.31	75	84805	28.37	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	84805	72.51	ug/l #	100
83) tert-Butylbenzene	11.11	119	2044	0.21	ug/l	94
88) 1,4-Dichlorobenzene	11.44	146	474	1.58	ug/l	77
89) n-Butylbenzene	11.90	91	1685	0.21	ug/l	91
93) 1,2,4-Trichlorobenzene	13.51	180	1341	3.64	ug/l	85
95) Naphthalene	13.75	128	7396	3.07	ug/l #	86
96) 1,2,3-Trichlorobenzene	13.99	180	1877	3.02	ug/l	95

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Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

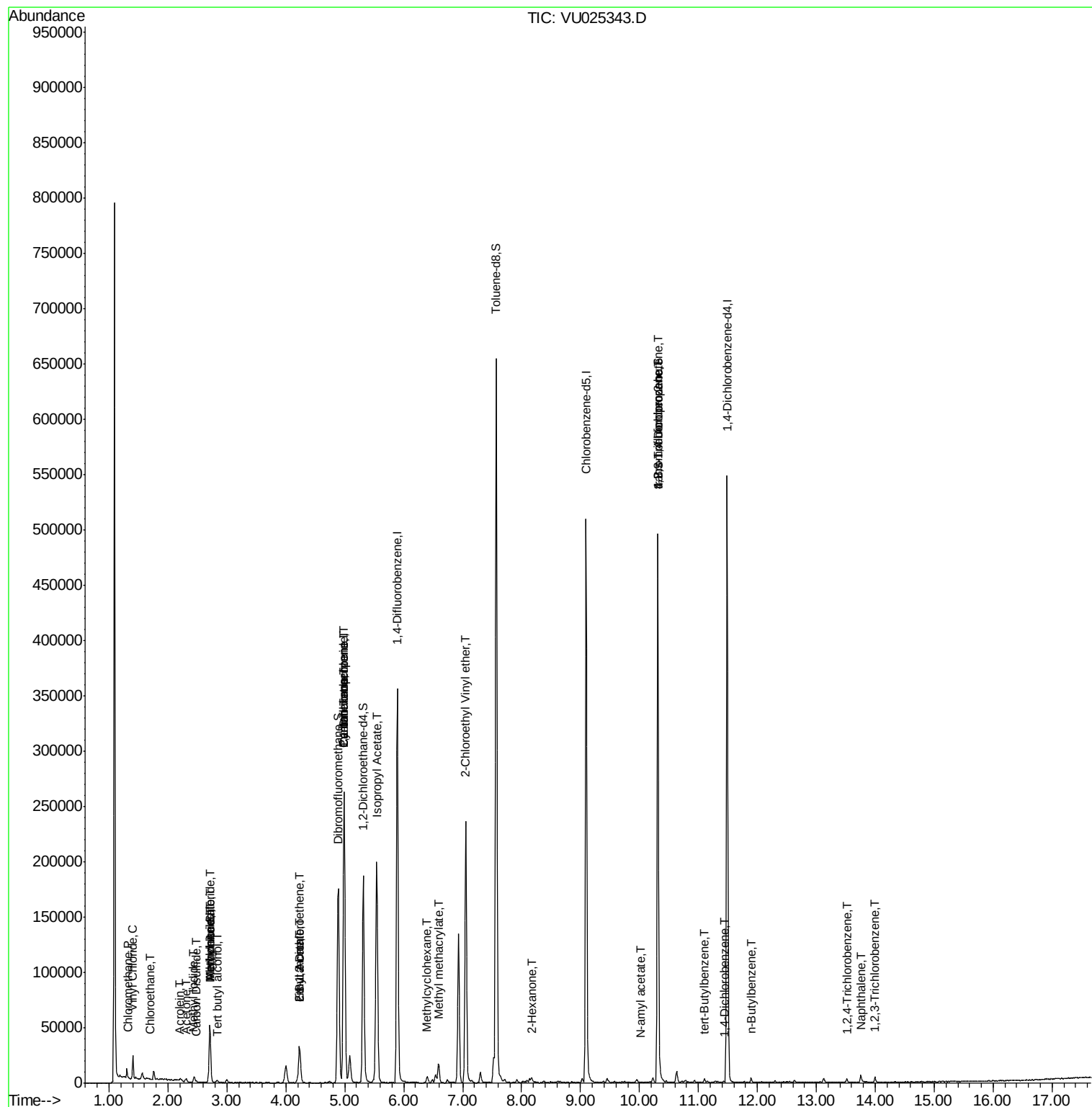
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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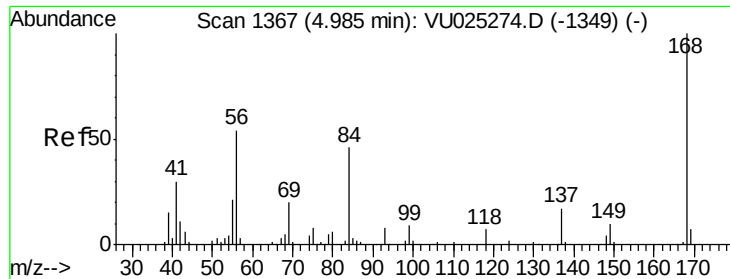
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

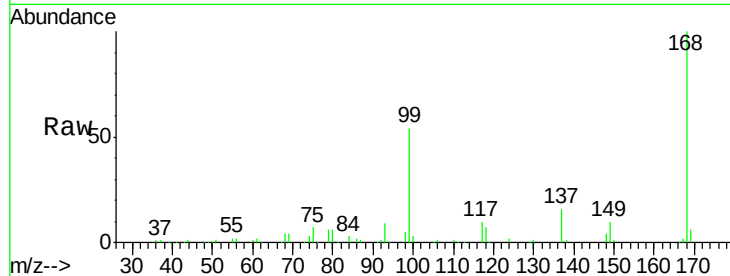
DUP-0495-180709

Tot Ion:168 Resp: 205100

Ion Ratio Lower Upper

168 100

99 53.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

100000

80000

60000

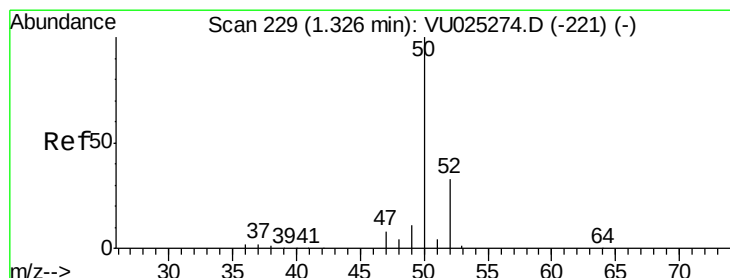
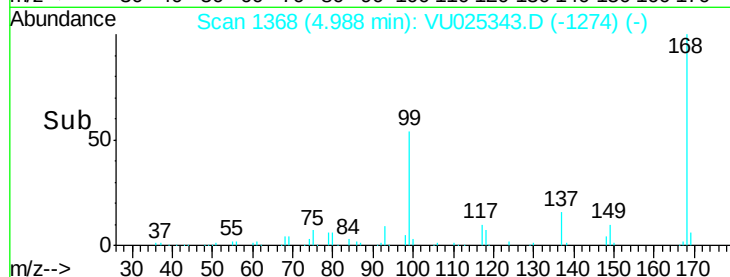
40000

20000

0

Time-->

4.90 5.00 5.10



#3

Chloromethane

Concen: 0.83 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.01 min

Lab File: VU025343.D

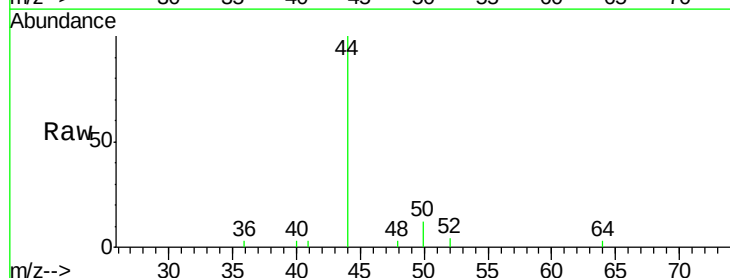
Acq: 12 Jul 2018 16:43

Tgt Ion: 50 Resp: 563

Ion Ratio Lower Upper

50 100

52 33.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025274.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025274.D (-221) (-)

1.33

500

400

300

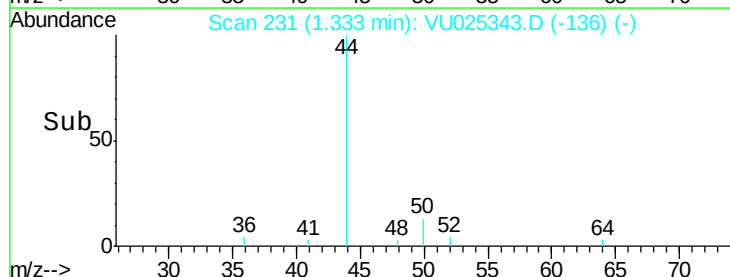
200

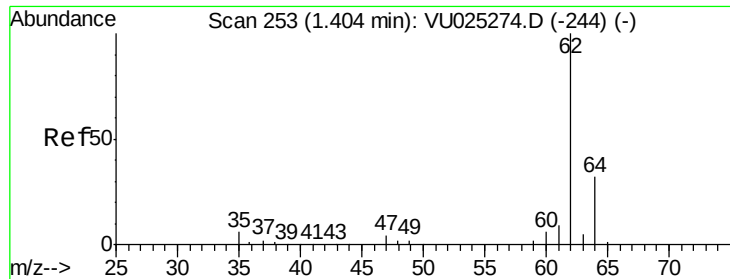
100

0

Time-->

1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 5.51 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

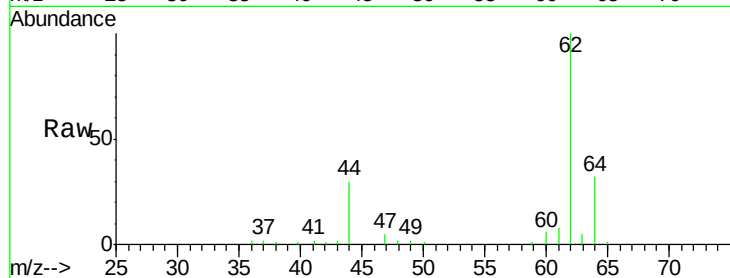
DUP-0495-180709

Tot Ion: 62 Resp: 12859

Ion Ratio Lower Upper

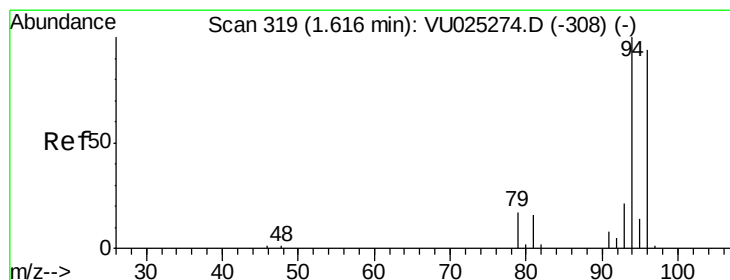
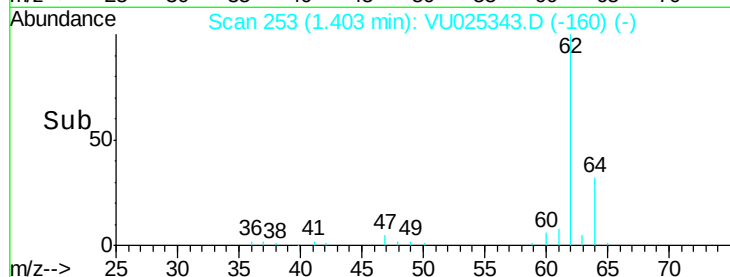
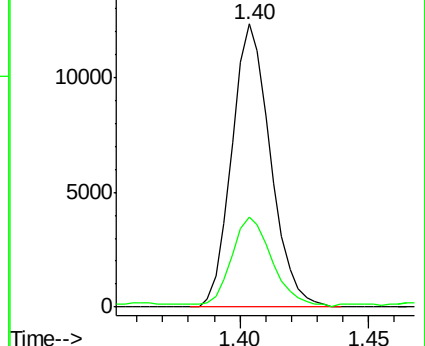
62 100

64 30.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 325

Delta R.T. 0.02 min

Lab File: VU025343.D

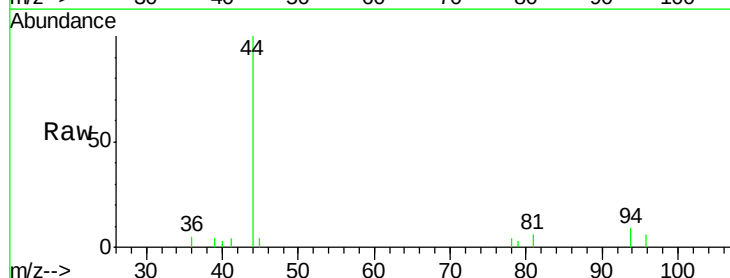
Acq: 12 Jul 2018 16:43

Tgt Ion: 94 Resp: 330

Ion Ratio Lower Upper

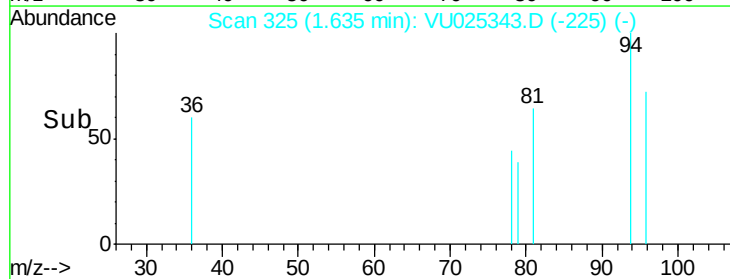
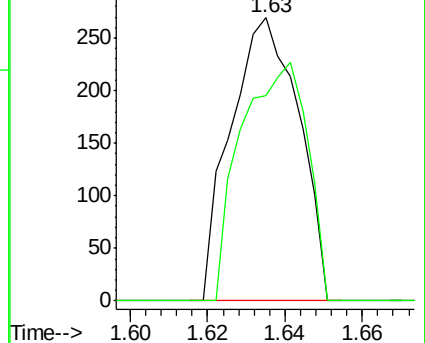
94 100

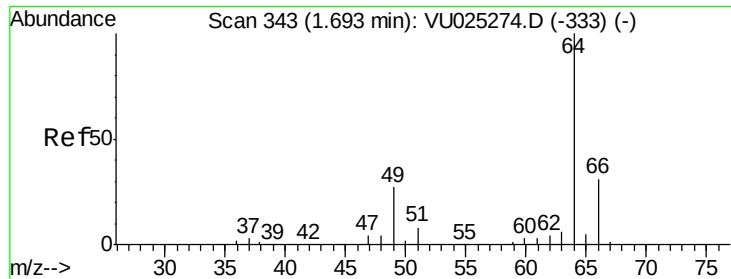
96 72.5 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: 0.38 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

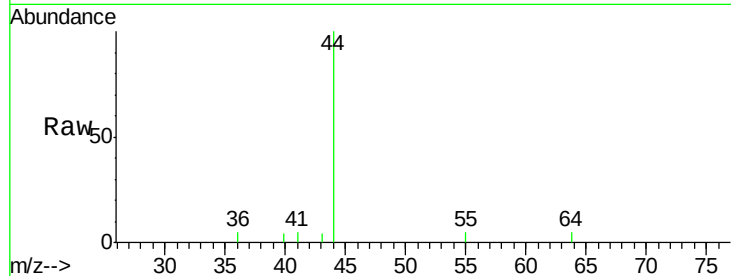
DUP-0495-180709

Tot Ion: 64 Resp: 136

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

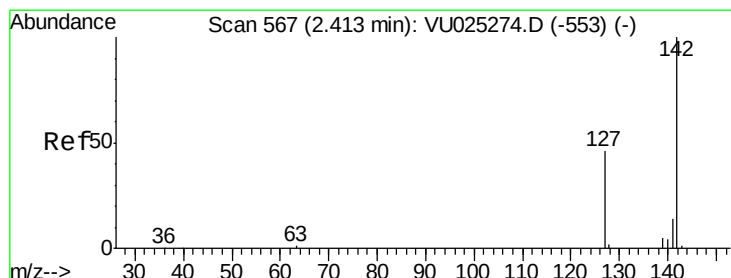
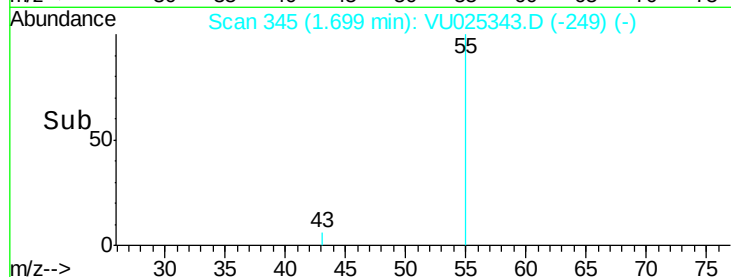
100

50

0

Time-->

1.68 1.69 1.70 1.71



#10

Methyl Iodide

Concen: 7.87 ug/l

RT: 2.43 min Scan# 572

Delta R.T. 0.02 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

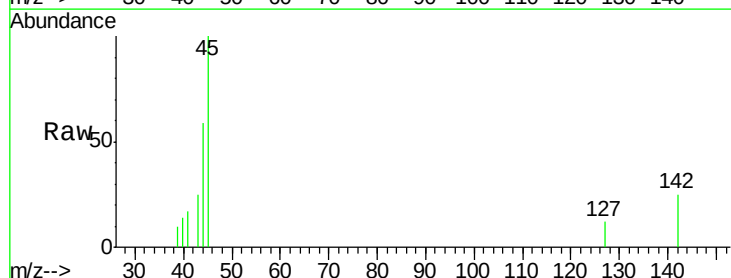
Tgt Ion: 142 Resp: 487

Ion Ratio Lower Upper

142 100

127 16.2 36.5 54.7#

141 0.0 11.4 17.2#



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

2.43

400

300

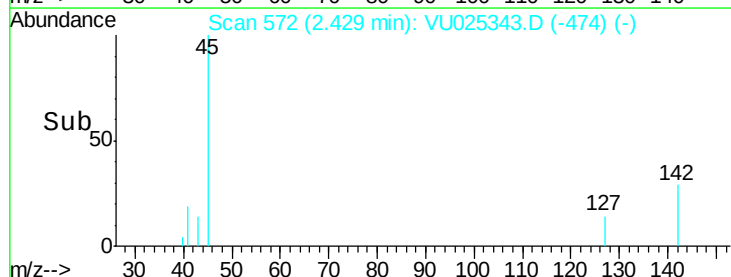
200

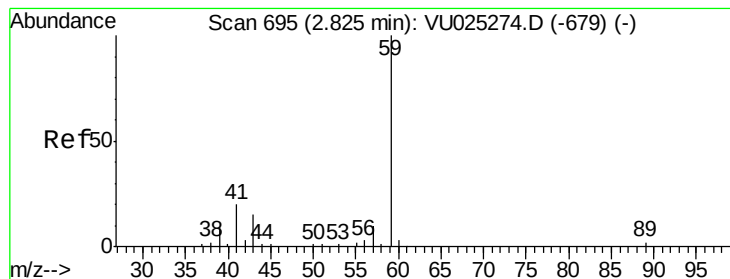
100

0

Time-->

2.40 2.45





#11

Tert butyl alcohol

Concen: 2.26 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

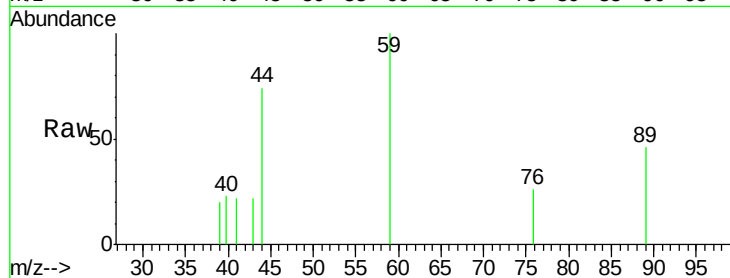
DUP-0495-180709

Tot Ion: 59 Resp: 1571

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.84

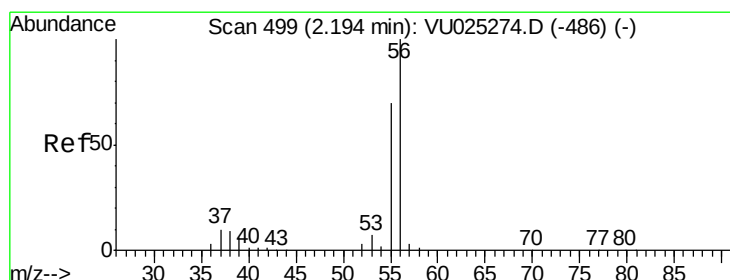
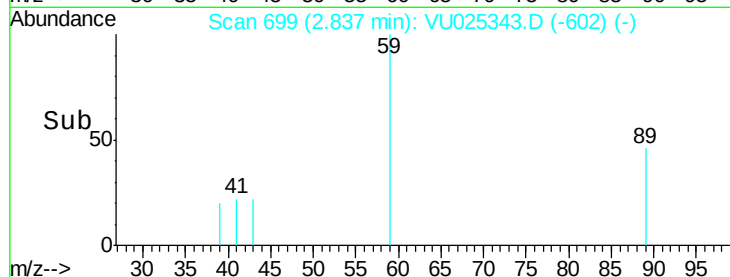
600

400

200

0

Time-->



#13

Acrolein

Concen: 0.30 ug/l

RT: 2.20 min Scan# 502

Delta R.T. 0.01 min

Lab File: VU025343.D

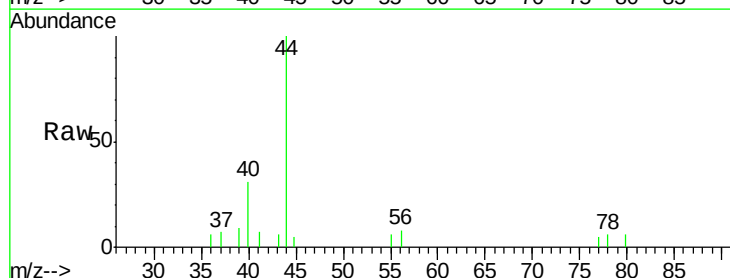
Acq: 12 Jul 2018 16:43

Tgt Ion: 56 Resp: 139

Ion Ratio Lower Upper

56 100

55 168.3 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

250

200

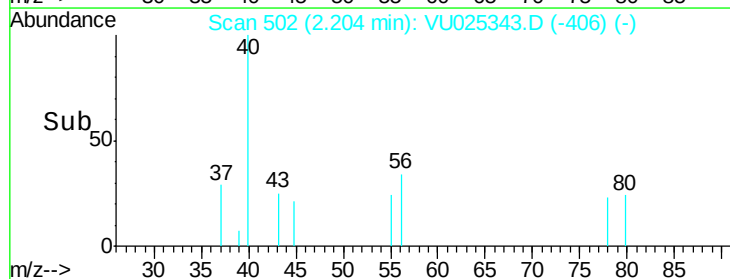
150

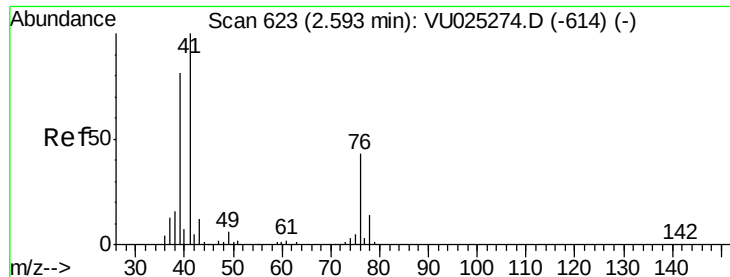
100

50

0

Time-->

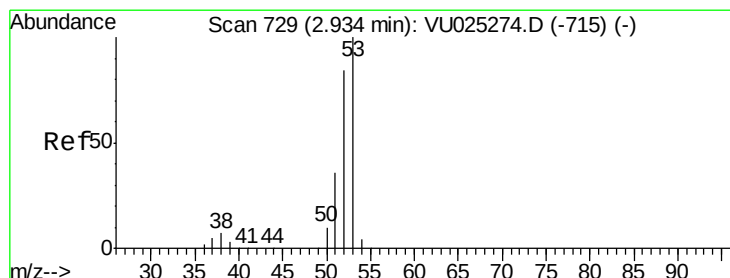
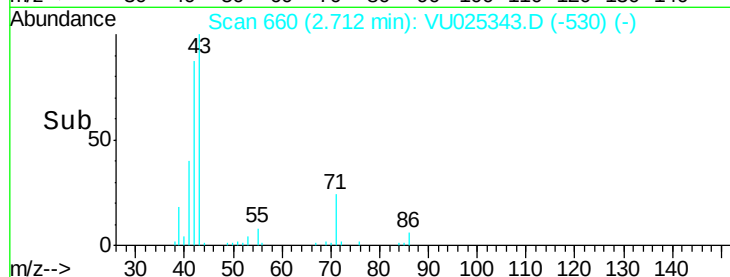
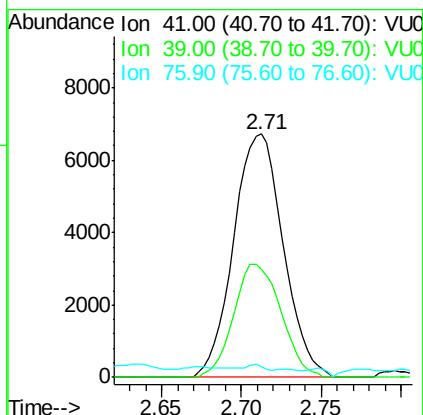
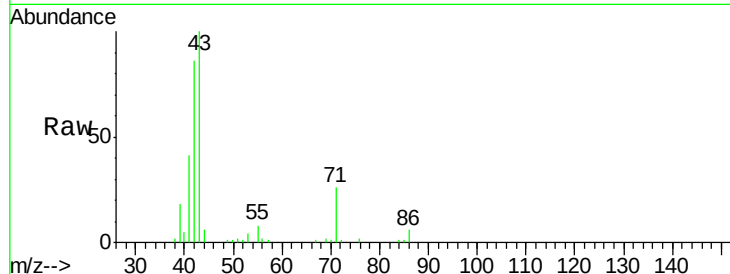




#14
Allvl chloride
Concen: 3.79 ug/l
RT: 2.71 min Scan# 660
Delta R.T. 0.12 min
Lab File: VU025343.D
Acq: 12 Jul 2018 16:43

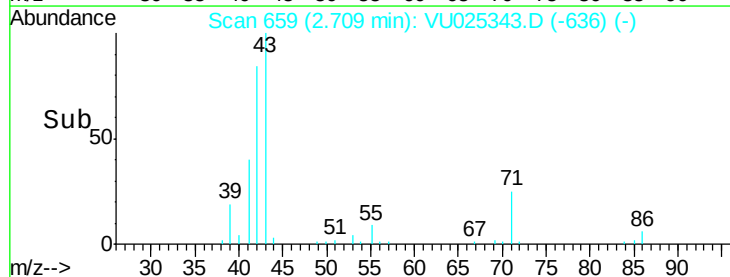
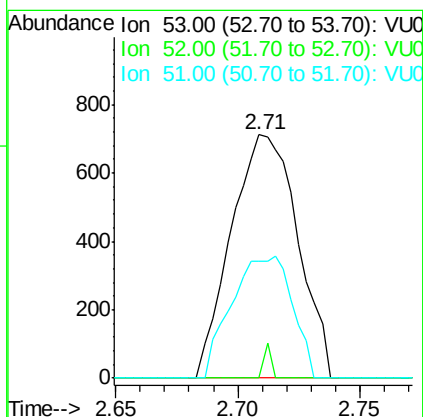
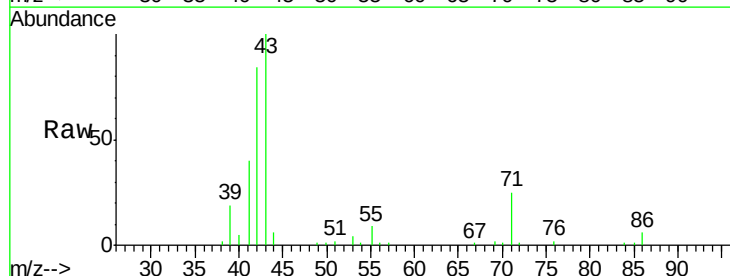
Instrument :
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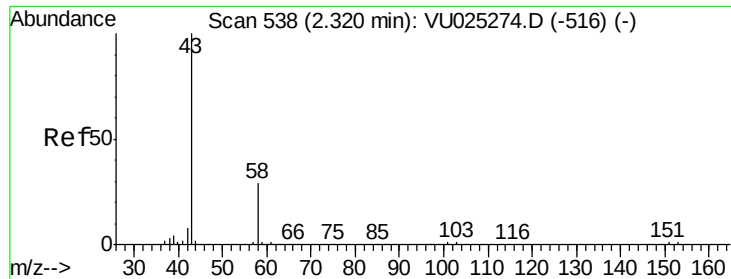
Tot Ion: 41 Resp: 14274
Ion Ratio Lower Upper
41 100
39 44.2 60.6 91.0#
76 0.7 30.5 45.7#



#15
Acrylonitrile
Concen: 0.94 ug/l
RT: 2.71 min Scan# 659
Delta R.T. -0.23 min
Lab File: VU025343.D
Acq: 12 Jul 2018 16:43

Tgt Ion: 53 Resp: 1344
Ion Ratio Lower Upper
53 100
52 1.5 66.6 99.8#
51 45.9 29.4 44.2#





#16

Acetone

Concen: 5.99 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

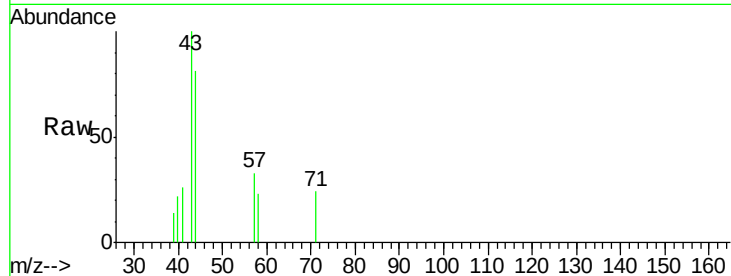
DUP-0495-180709

Tot Ion: 43 Resp: 1864

Ion Ratio Lower Upper

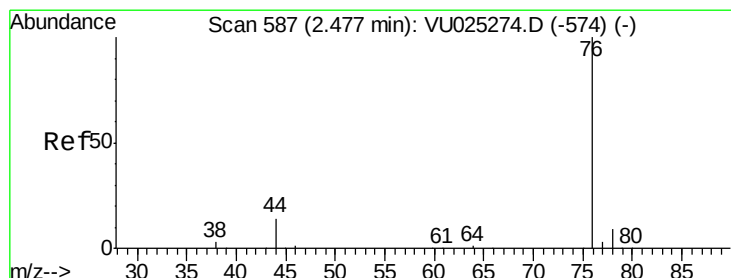
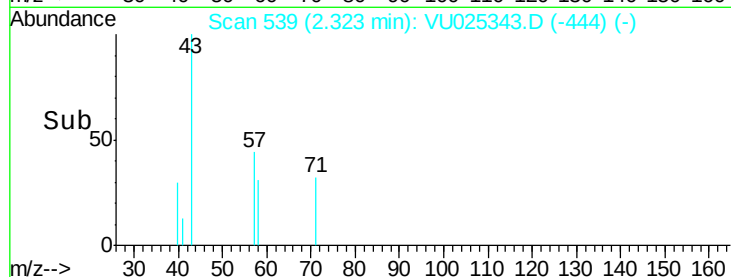
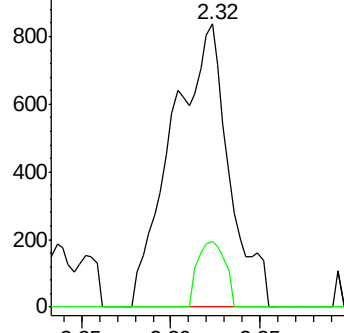
43 100

58 23.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 2.17 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025343.D

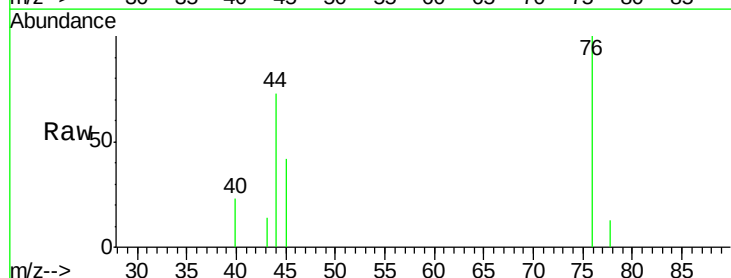
Acq: 12 Jul 2018 16:43

Tgt Ion: 76 Resp: 1487

Ion Ratio Lower Upper

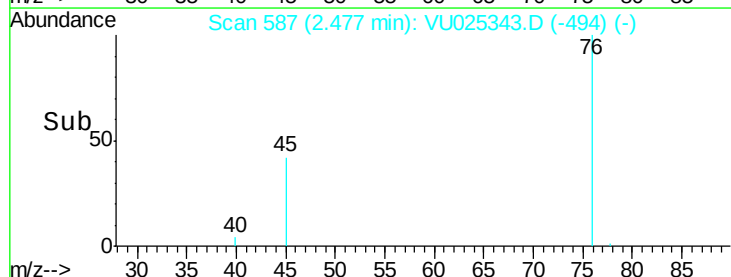
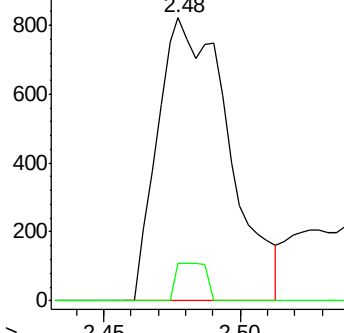
76 100

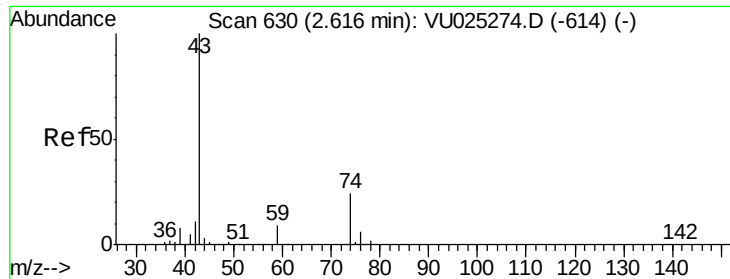
78 13.4 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

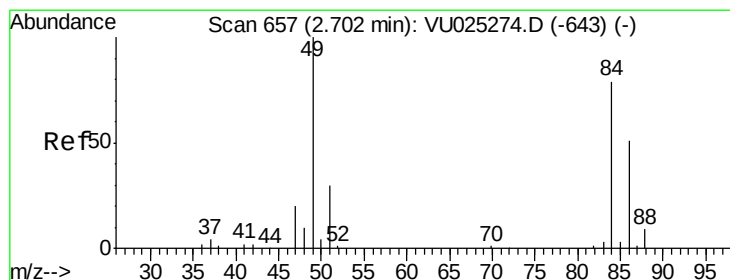
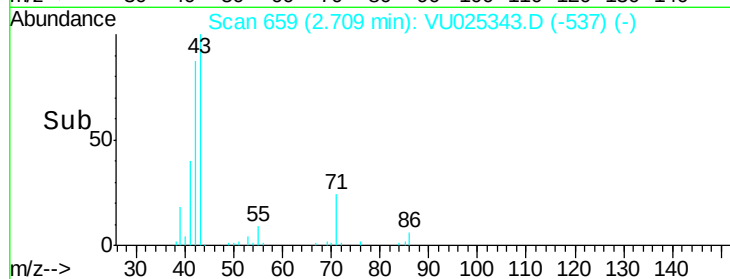
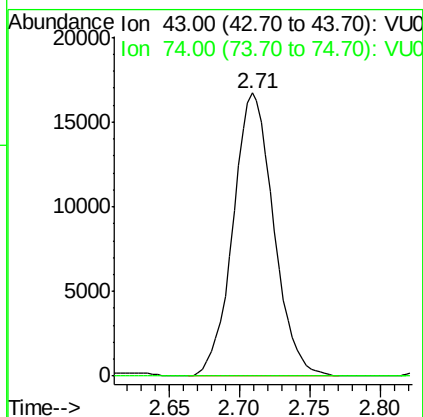
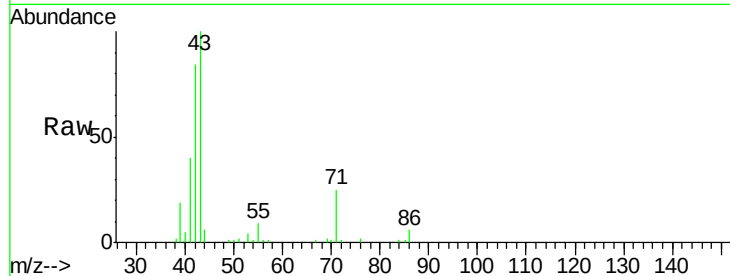




#18
Methyl Acetate
Concen: 10.31 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.09 min
Lab File: VU025343.D
Acq: 12 Jul 2018 16:43

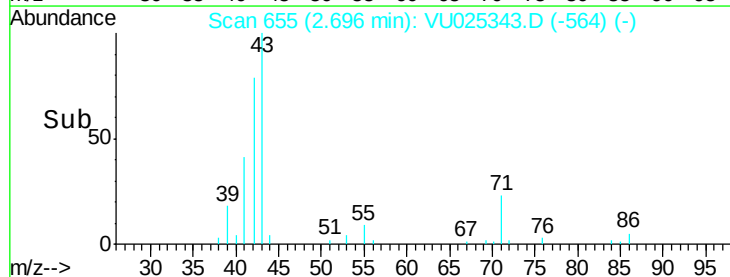
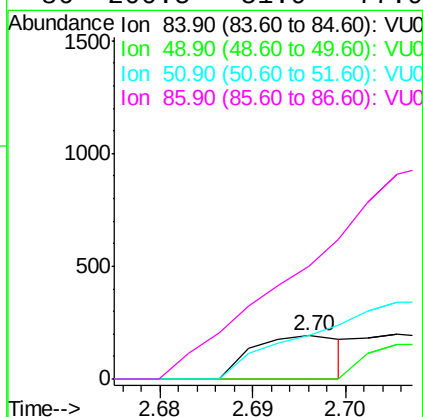
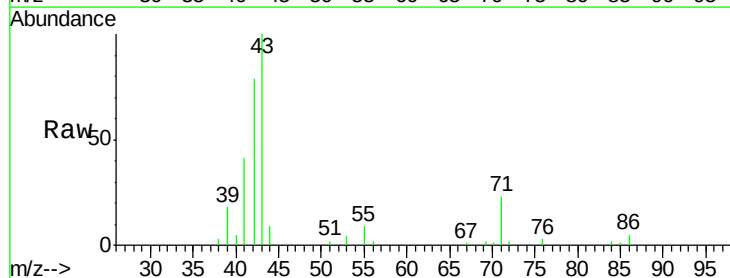
Instrument :
MSVOA_U
ClientSampleId :
DUP-0495-180709

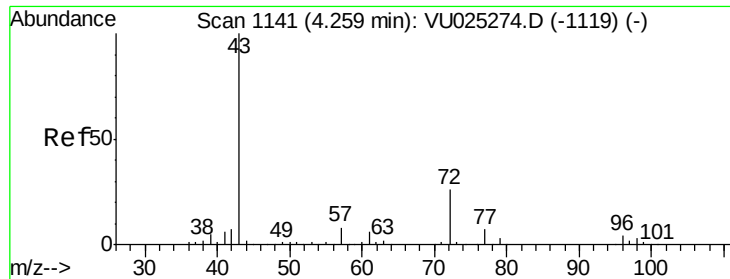
Tot Ion: 43 Resp: 33645
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#20
Methylene Chloride
Concen: 0.74 ug/l
RT: 2.70 min Scan# 655
Delta R.T. -0.01 min
Lab File: VU025343.D
Acq: 12 Jul 2018 16:43

Tgt Ion: 84 Resp: 132
Ion Ratio Lower Upper
84 100
49 0.0 101.8 152.6#
51 101.0 30.8 46.2#
86 200.5 51.9 77.9#

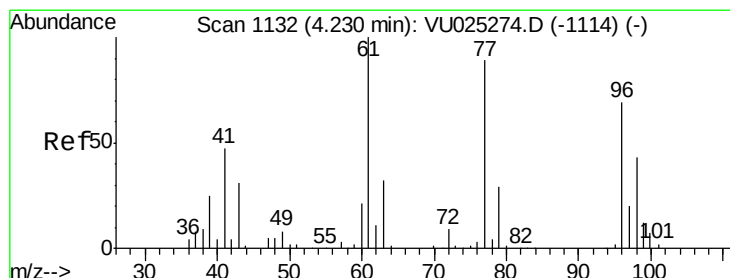
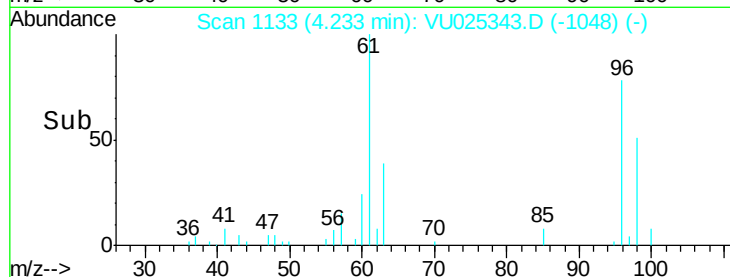
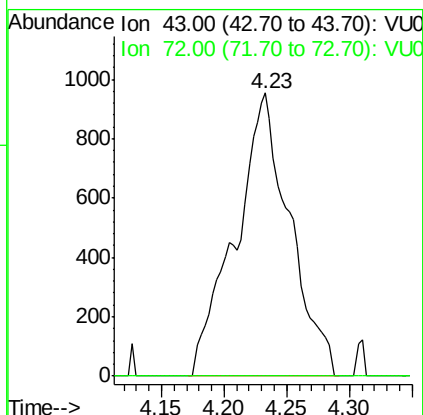
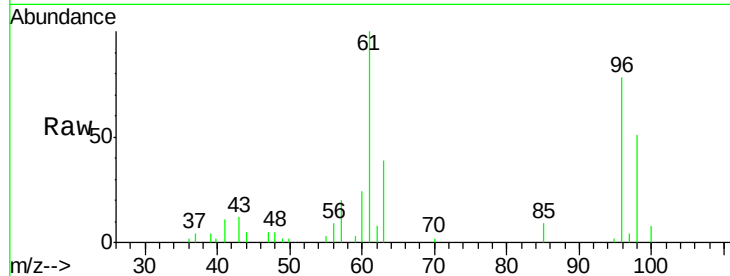




#25
 2-Butanone
 Concen: 1.31 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.03 min
 Lab File: VU025343.D
 Acq: 12 Jul 2018 16:43

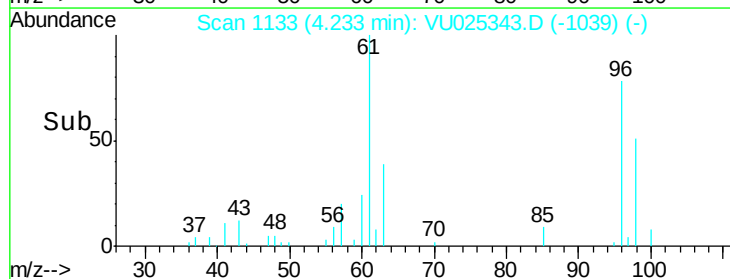
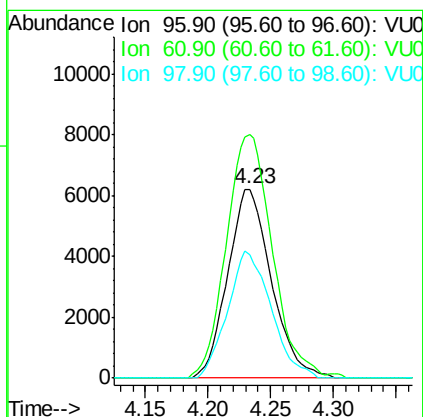
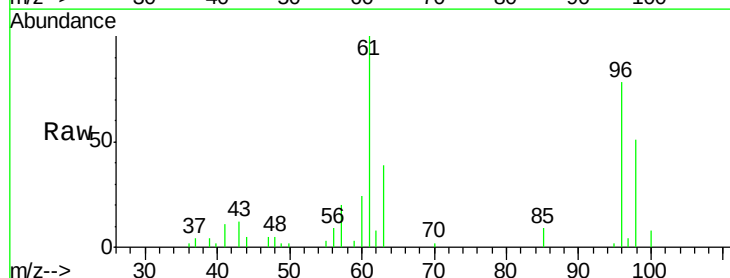
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0495-180709

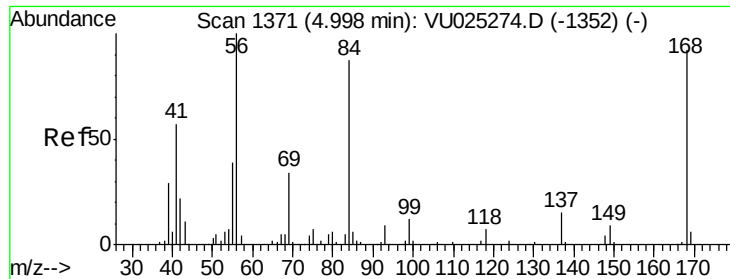
Tot Ion: 43 Resp: 2891
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.0 31.4#



#27
 cis-1,2-Dichloroethene
 Concen: 5.47 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025343.D
 Acq: 12 Jul 2018 16:43

Tgt Ion: 96 Resp: 15050
 Ion Ratio Lower Upper
 96 100
 61 135.0 0.0 299.8
 98 66.5 0.0 128.6

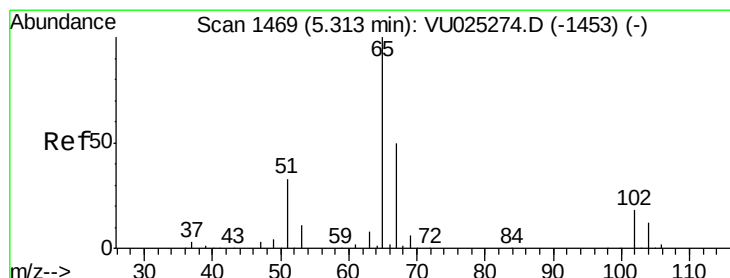
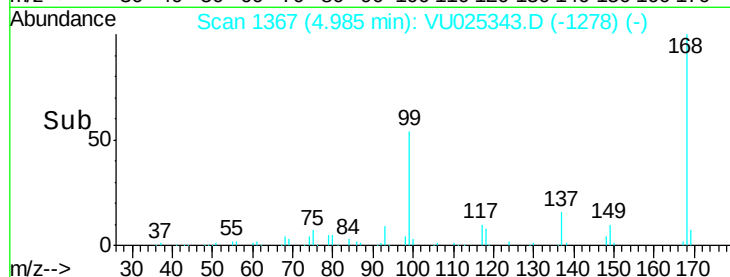
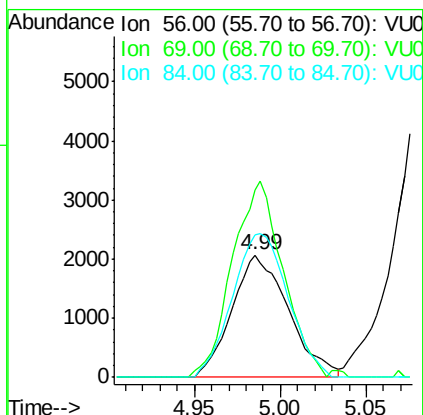
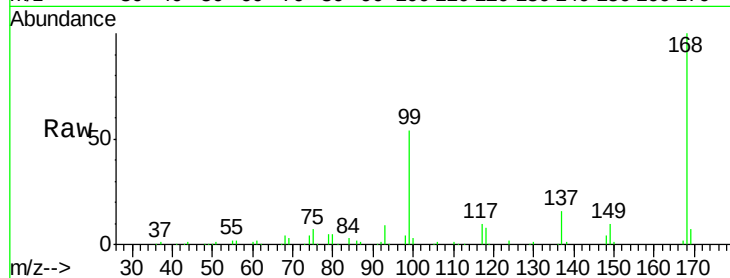




#31
Cyclohexane
Concen: 1.90 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VU025343.D
Acq: 12 Jul 2018 16:43

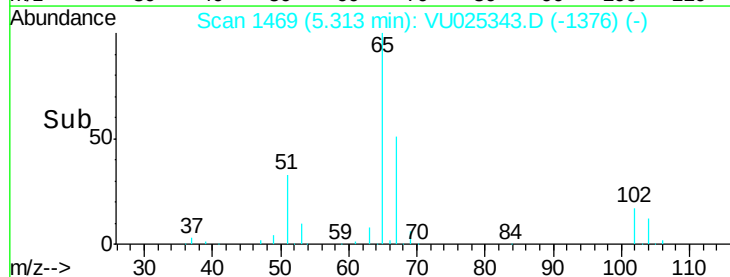
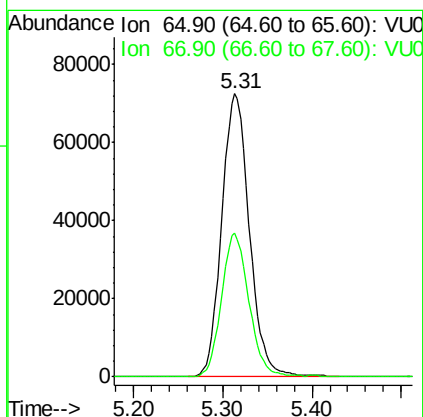
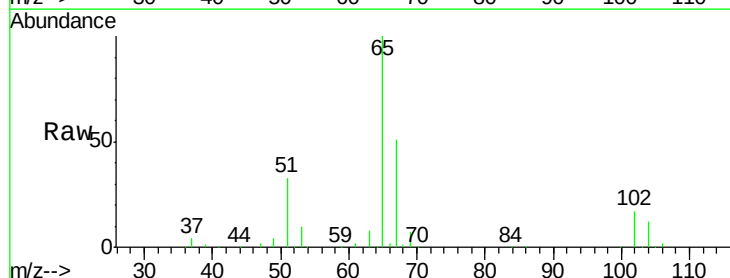
Instrument :
MSVOA_U
ClientSampleId :
DUP-0495-180709

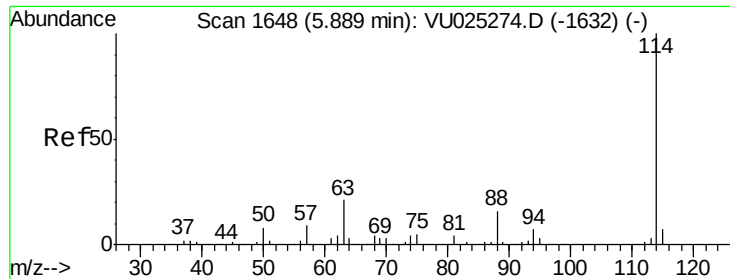
Tot Ion: 56 Resp: 4735
Ion Ratio Lower Upper
56 100
69 152.8 26.8 40.2#
84 116.6 69.7 104.5#



#33
1,2-Dichloroethane-d4
Concen: 48.93 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025343.D
Acq: 12 Jul 2018 16:43

Tgt Ion: 65 Resp: 155918
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

DUP-0495-180709

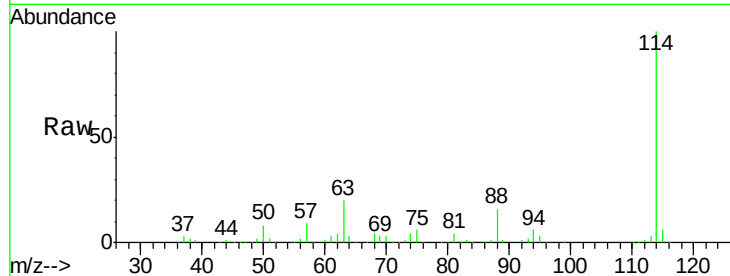
Tot Ion:114 Resp: 304968

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

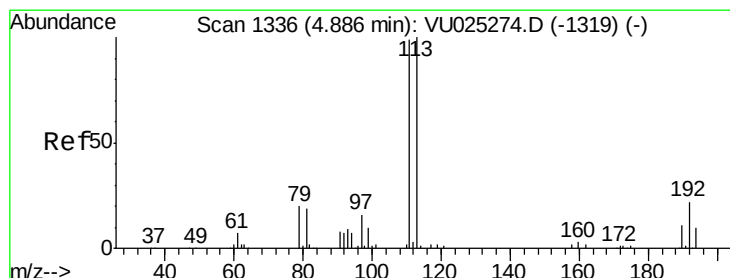
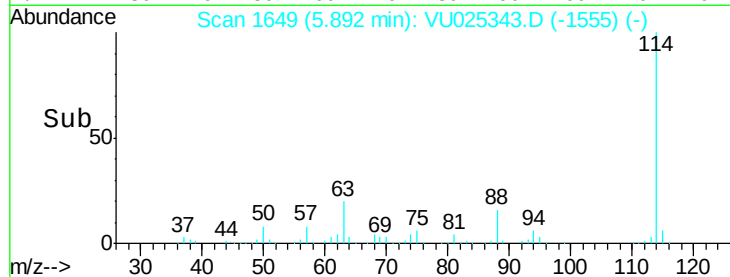
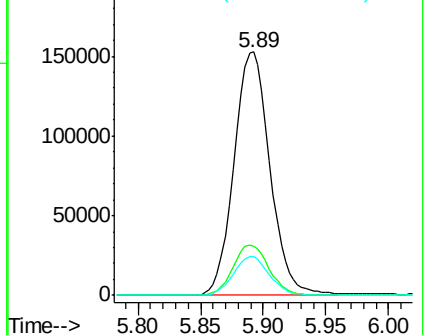
88 15.8 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.93 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

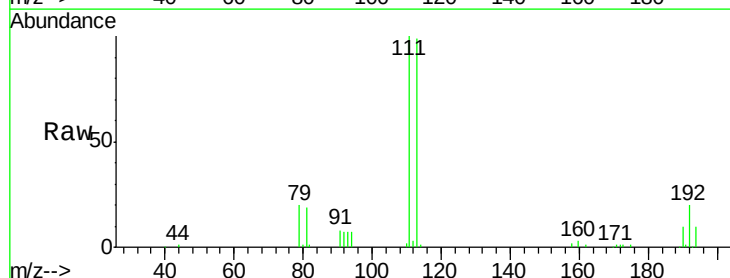
Tgt Ion:113 Resp: 120729

Ion Ratio Lower Upper

113 100

111 101.3 81.7 122.5

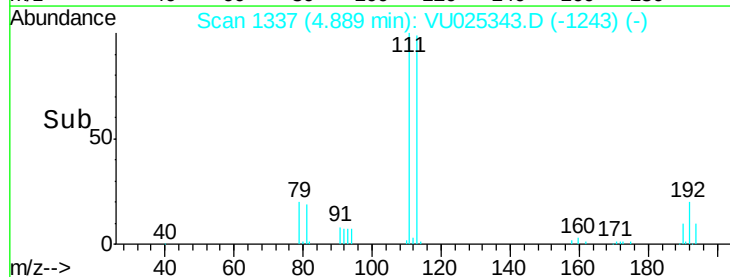
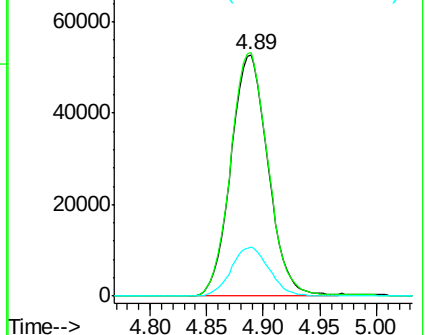
192 20.7 17.1 25.7

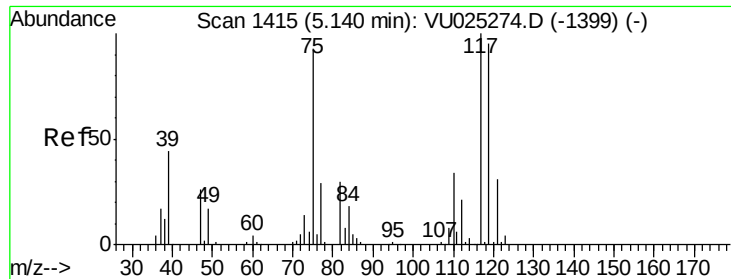


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

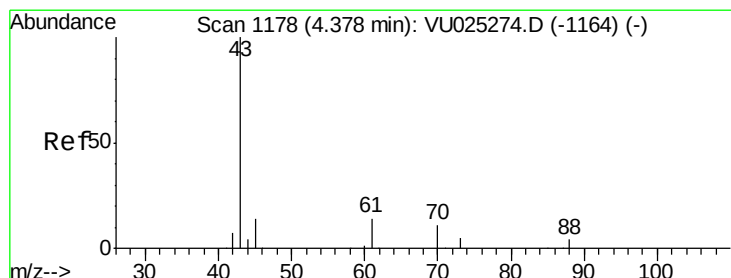
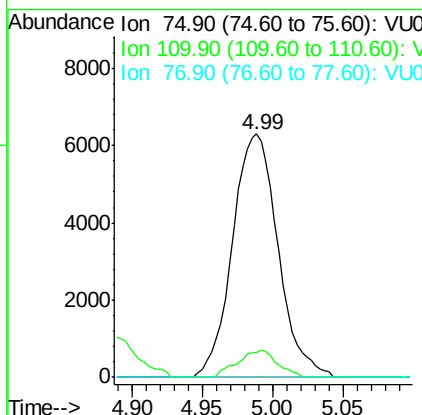
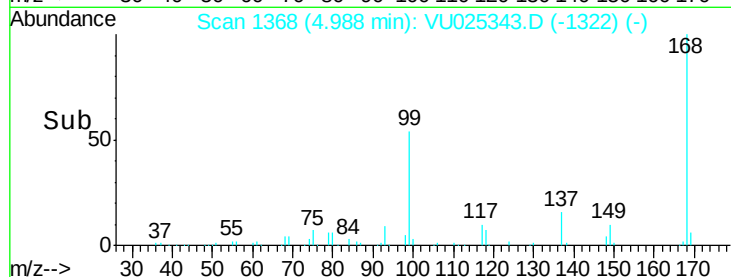
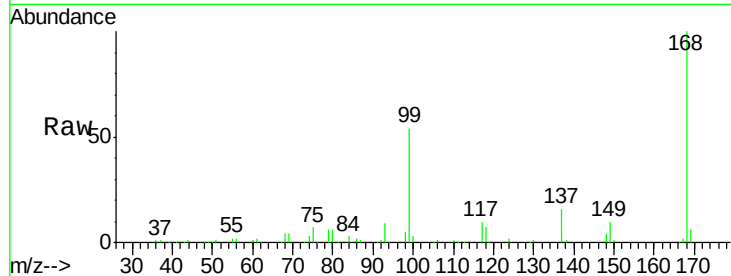




#36
 1,1-Dichloropropene
 Concen: 4.20 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025343.D
 Acq: 12 Jul 2018 16:43

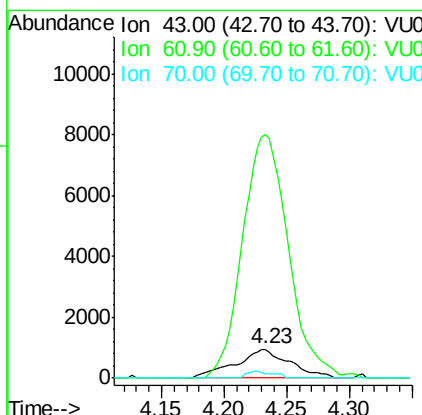
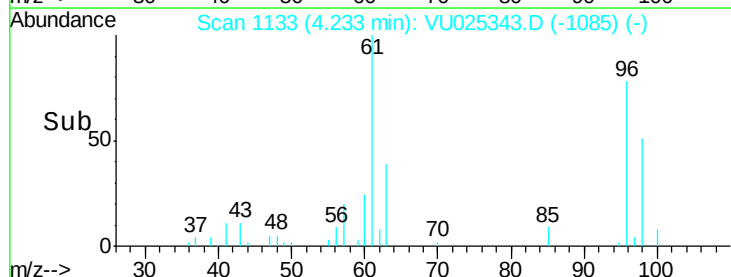
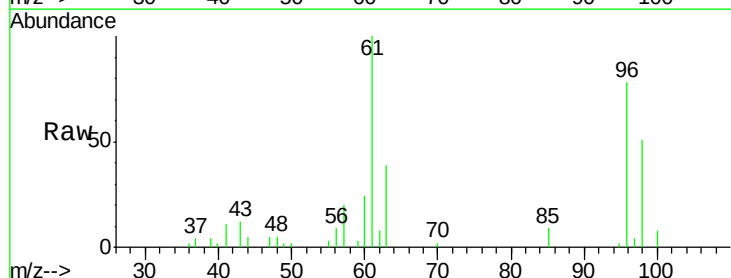
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0495-180709

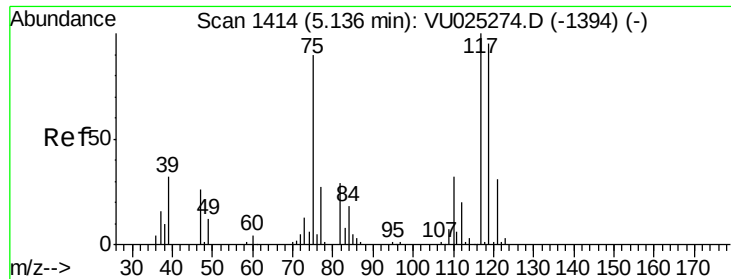
Tot Ion: 75 Resp: 14228
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.6 52.9#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 0.76 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.14 min
 Lab File: VU025343.D
 Acq: 12 Jul 2018 16:43

Tgt Ion: 43 Resp: 2891
 Ion Ratio Lower Upper
 43 100
 61 703.0 10.7 16.1#
 70 10.8 8.4 12.6





#38

Carbon Tetrachloride

Concen: 5.50 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

DUP-0495-180709

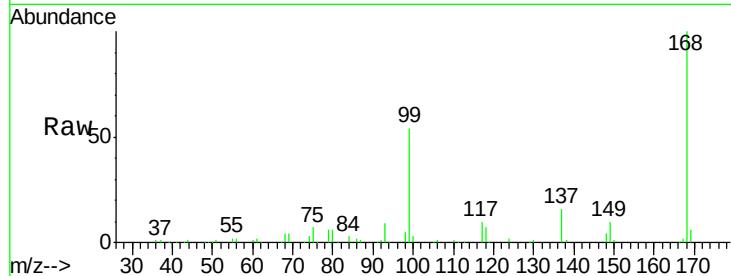
Tot Ion:117 Resp: 20064

Ion Ratio Lower Upper

117 100

119 3.1 75.7 113.5#

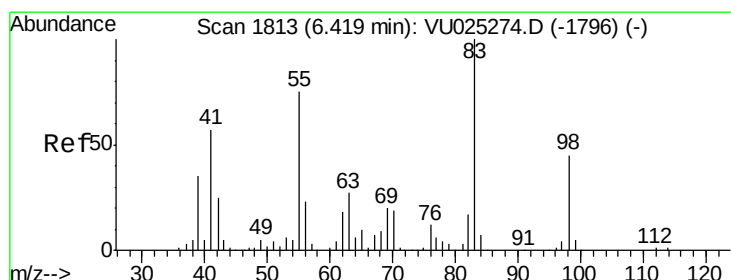
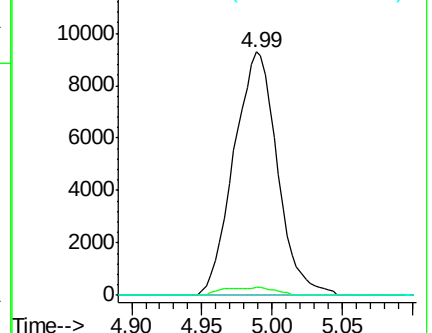
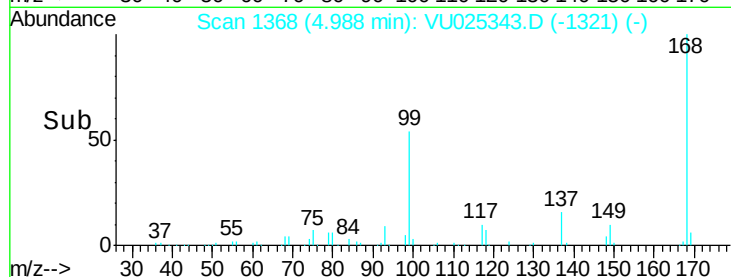
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.38 ug/l

RT: 6.40 min Scan# 1806

Delta R.T. -0.02 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

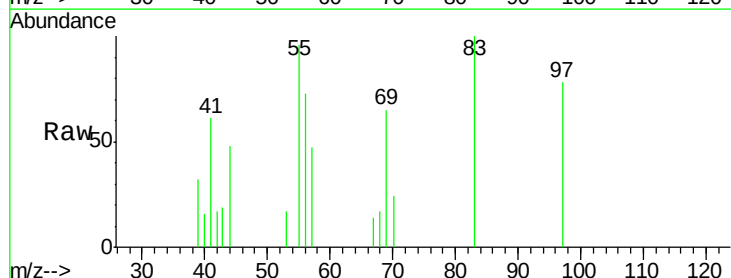
Tgt Ion: 83 Resp: 1619

Ion Ratio Lower Upper

83 100

55 95.7 60.0 90.0#

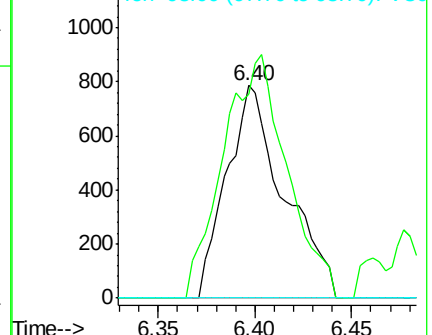
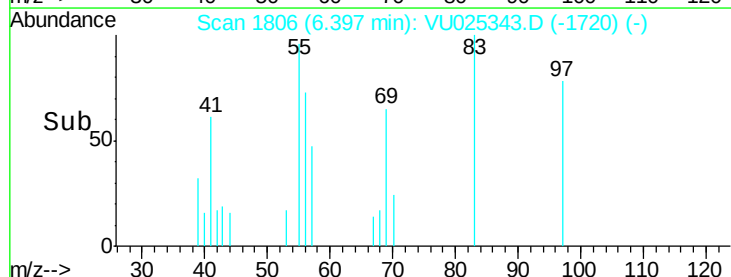
98 0.0 36.1 54.1#

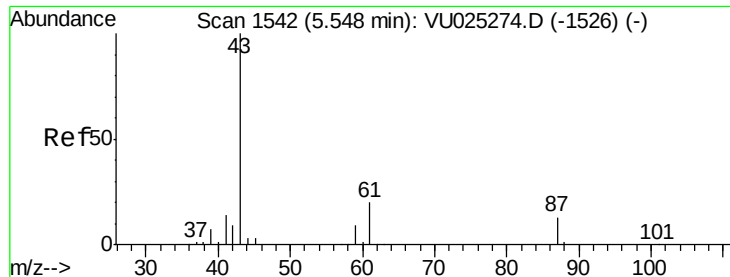


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#43

Isopropyl Acetate

Concen: 6.51 ug/l

RT: 5.54 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

DUP-0495-180709

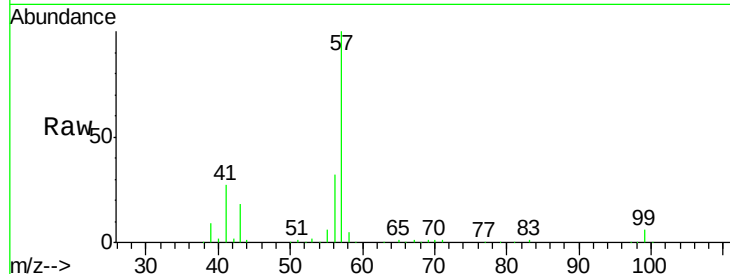
Tot Ion: 43 Resp: 39431

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

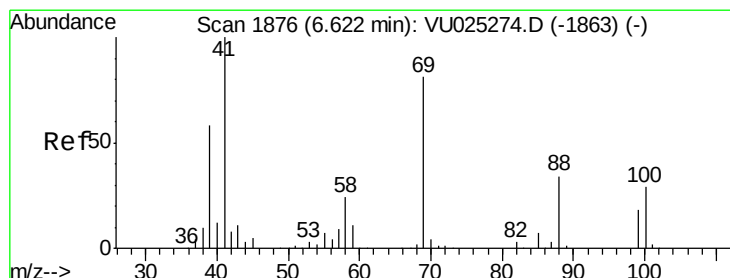
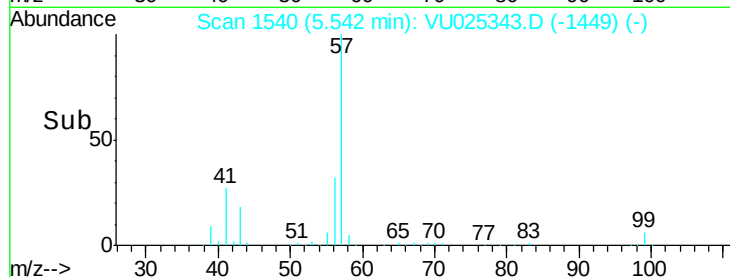
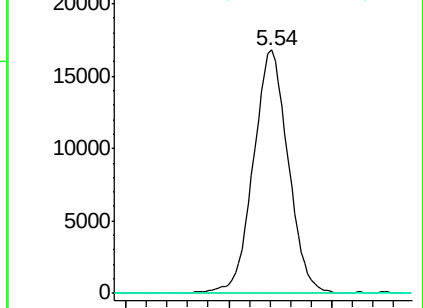
87 0.0 10.6 16.0#



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

Methyl methacrylate

Concen: 1.82 ug/l

RT: 6.59 min Scan# 1865

Delta R.T. -0.04 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

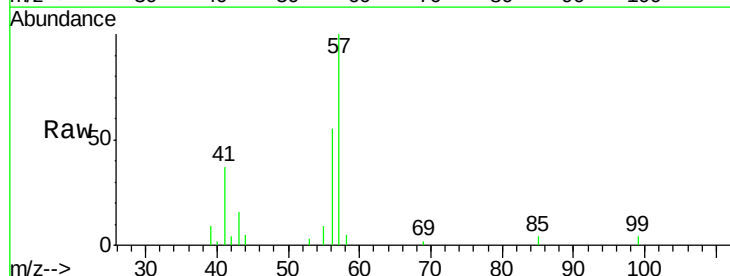
Tgt Ion: 41 Resp: 5498

Ion Ratio Lower Upper

41 100

69 2.2 65.0 97.4#

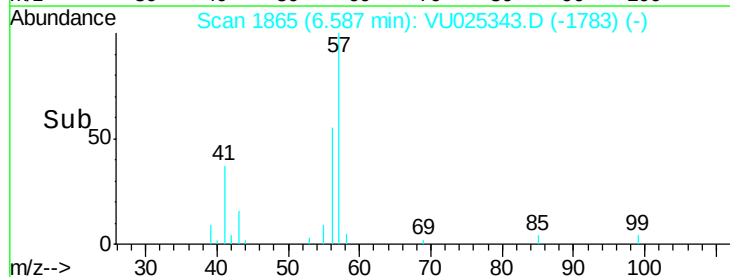
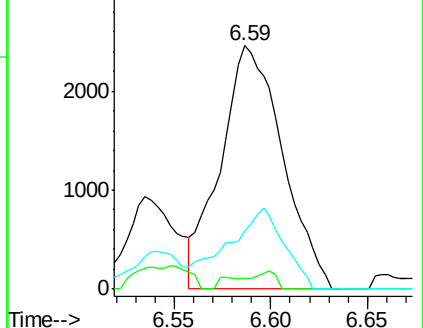
39 30.4 46.4 69.6#

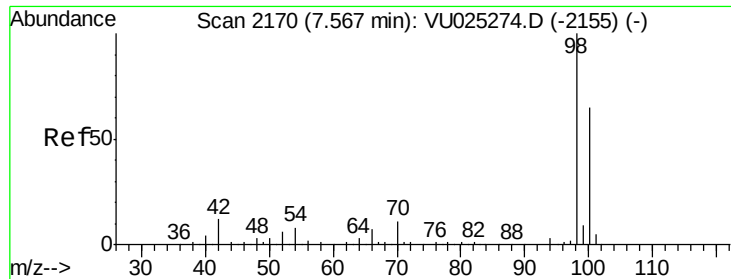


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#50

Toluene-d8

Concen: 50.36 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

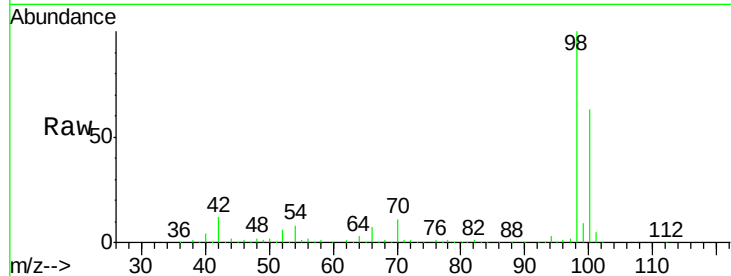
DUP-0495-180709

Tot Ion: 98 Resp: 443686

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025274.D (-2155) (-)

Ion 100.00 (99.70 to 100.70): VU025274.D (-2155) (-)

7.57

250000

200000

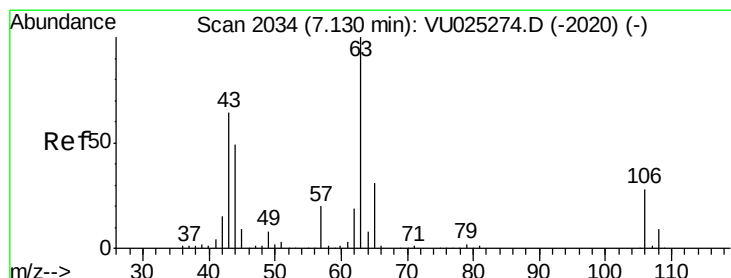
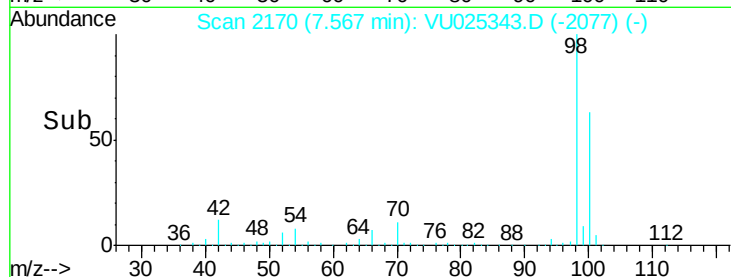
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 11.21 ug/l

RT: 7.06 min Scan# 2011

Delta R.T. -0.07 min

Lab File: VU025343.D

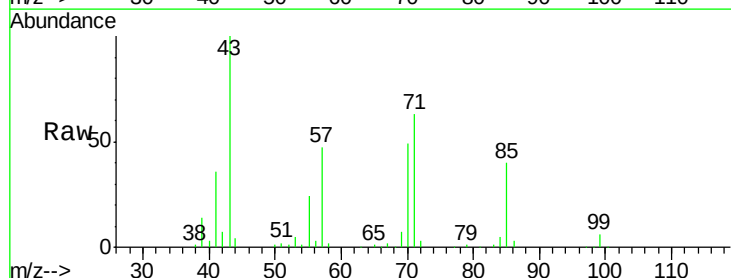
Acq: 12 Jul 2018 16:43

Tgt Ion: 63 Resp: 90

Ion Ratio Lower Upper

63 100

106 0.0 22.3 33.5#



Abundance Ion 62.90 (62.60 to 63.60): VU025274.D (-2020) (-)

Ion 105.90 (105.60 to 106.60): VU025274.D (-2020) (-)

7.06

200

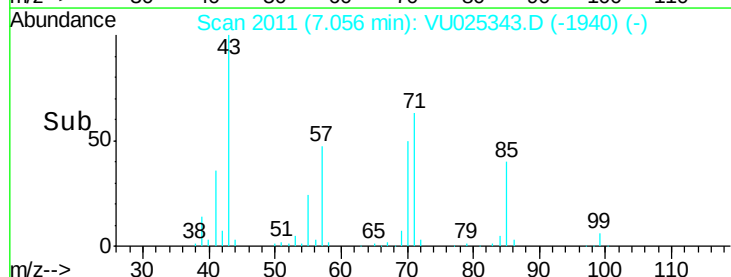
150

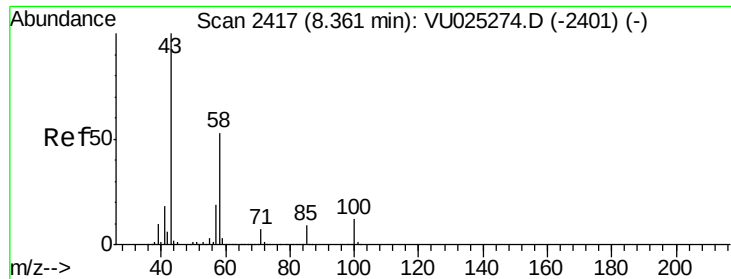
100

50

0

Time-->

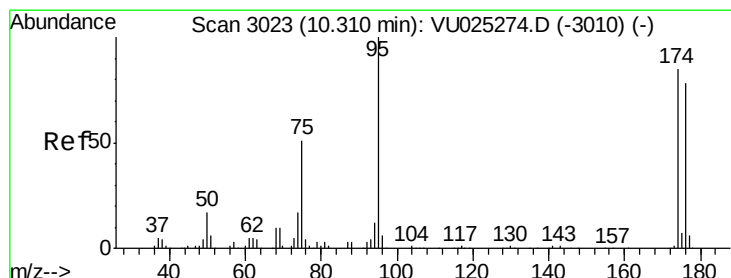
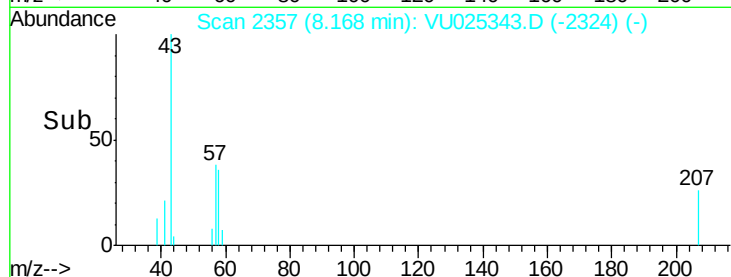
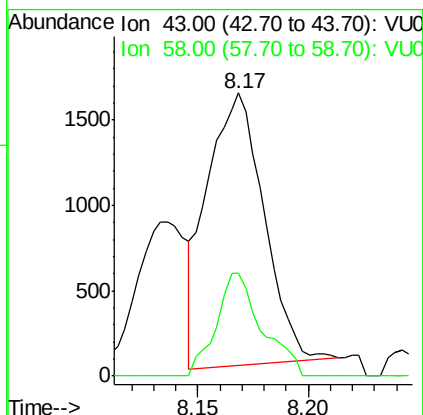
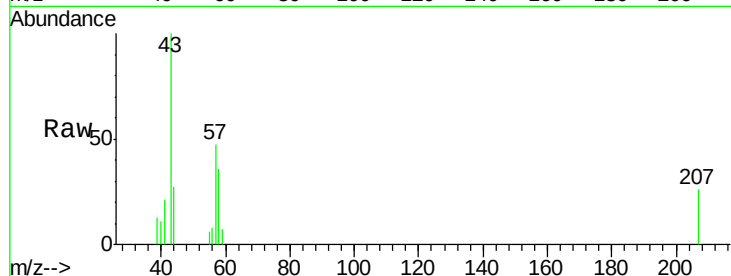




#59
2-Hexanone
Concen: 0.89 ug/l
RT: 8.17 min Scan# 2357
Delta R.T. -0.19 min
Lab File: VU025343.D
Acq: 12 Jul 2018 16:43

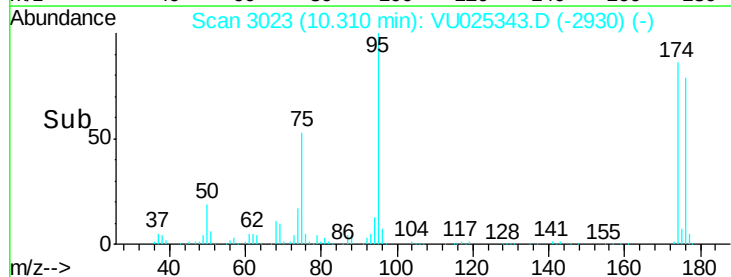
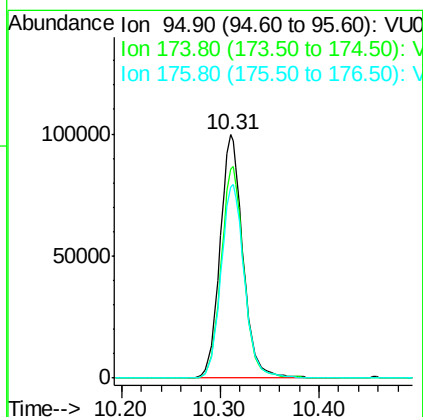
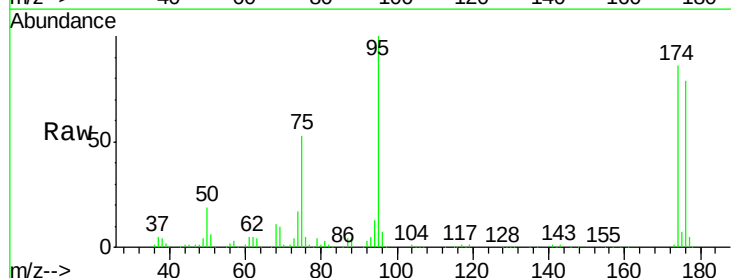
Instrument :
MSVOA_U
ClientSampleId :
DUP-0495-180709

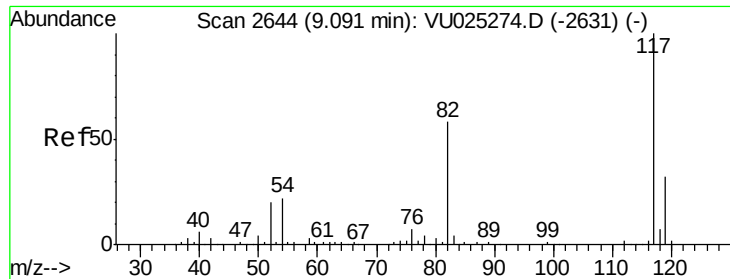
Tot Ion: 43 Resp: 2846
Ion Ratio Lower Upper
43 100
58 30.3 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 45.63 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025343.D
Acq: 12 Jul 2018 16:43

Tgt Ion: 95 Resp: 161835
Ion Ratio Lower Upper
95 100
174 86.1 0.0 172.2
176 81.4 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

DUP-0495-180709

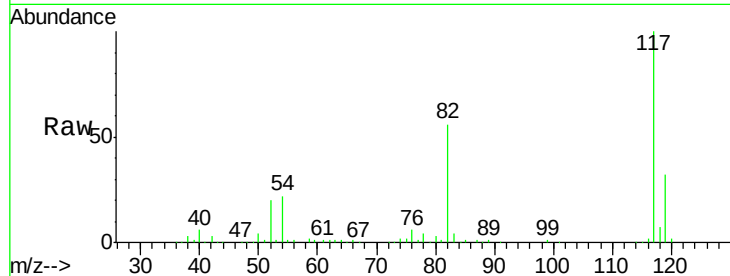
Tot Ion:117 Resp: 285755

Ion Ratio Lower Upper

117 100

82 55.9 46.0 69.0

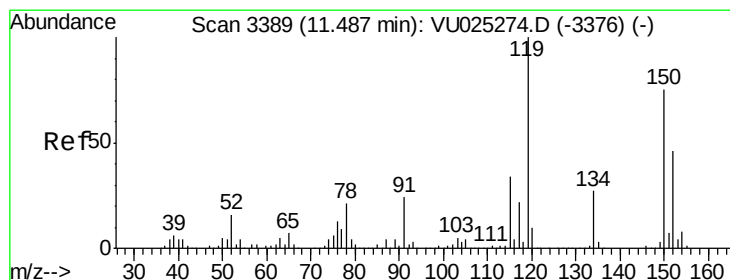
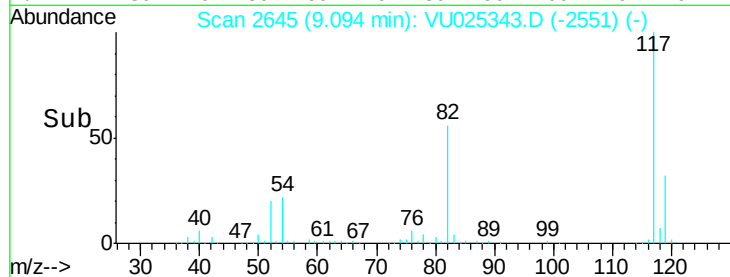
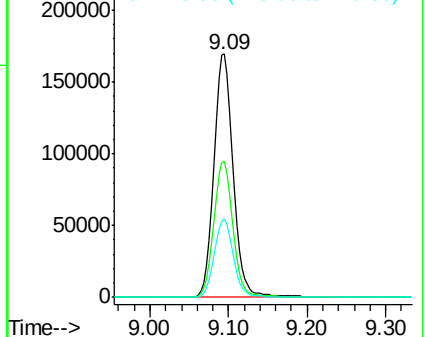
119 32.1 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

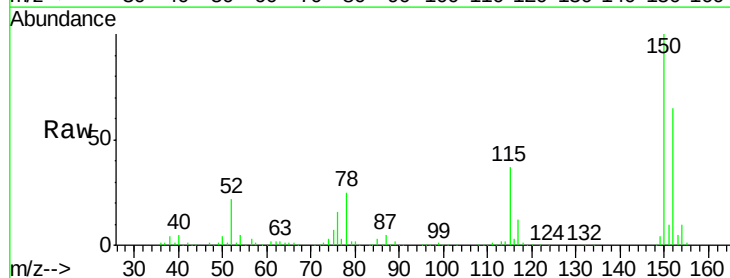
Tgt Ion:152 Resp: 146807

Ion Ratio Lower Upper

152 100

115 56.6 40.1 120.3

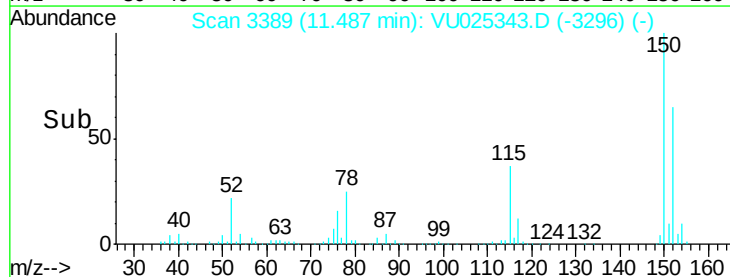
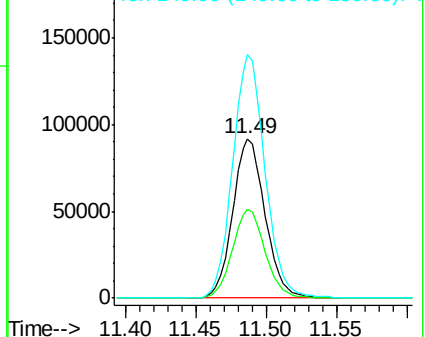
150 154.4 0.0 351.4

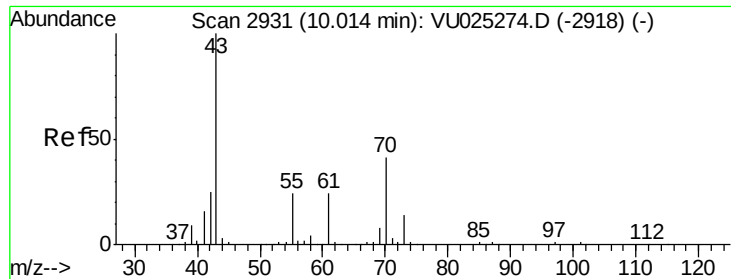


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.29 ug/l

RT: 10.01 min Scan# 2929

Delta R.T. -0.01 min

Lab File: VU025343.D

Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

DUP-0495-180709

Tot Ion: 43 Resp: 94

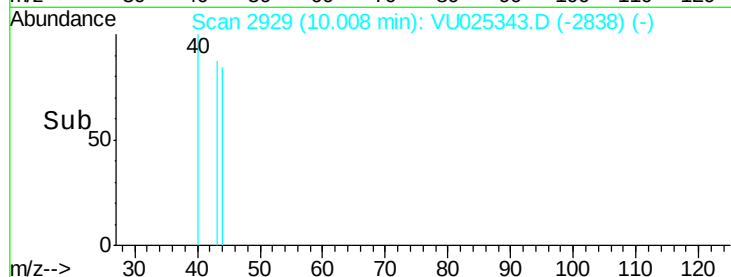
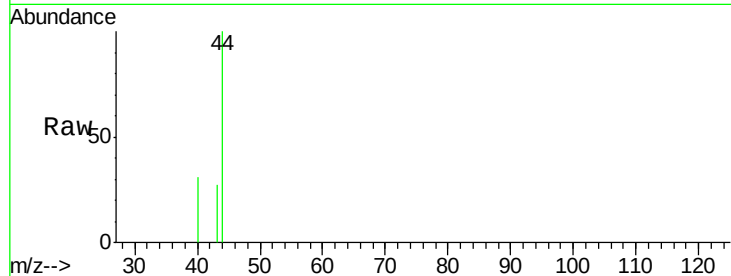
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

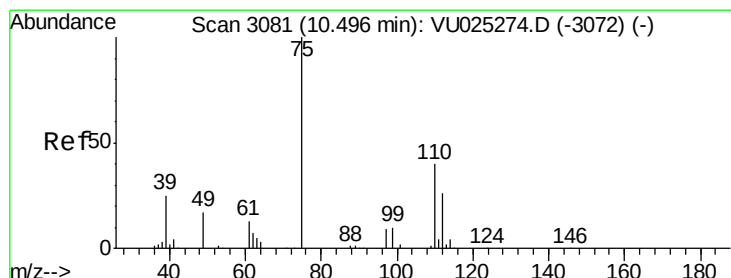
Time-->

Time-->

Time-->

Time-->

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.37 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025343.D

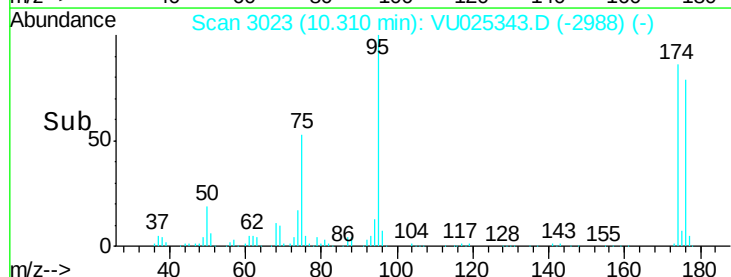
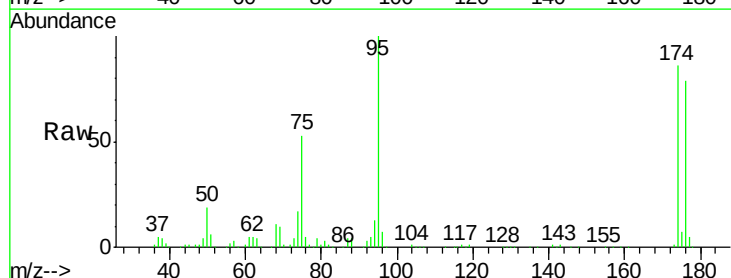
Acq: 12 Jul 2018 16:43

Tgt Ion: 75 Resp: 84805

Ion Ratio Lower Upper

75 100

77 1.1 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

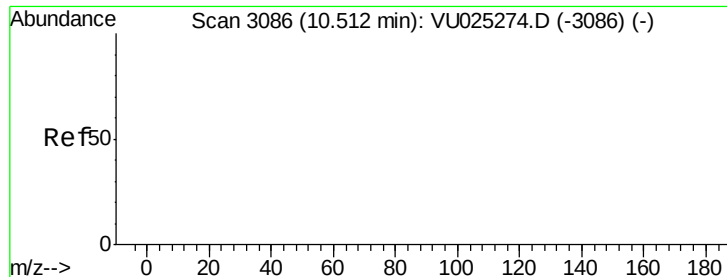
Time-->

Time-->

Time-->

Time-->

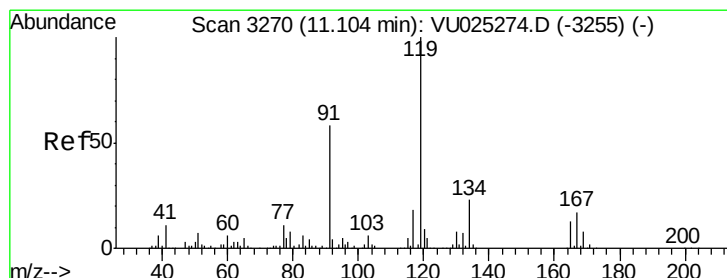
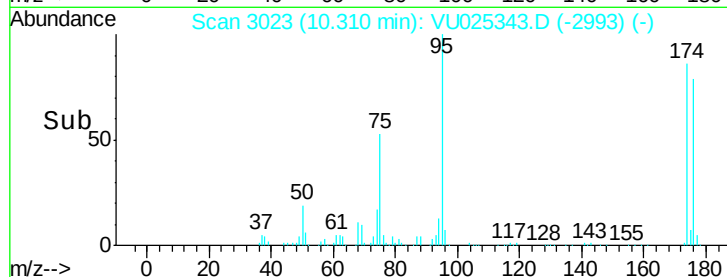
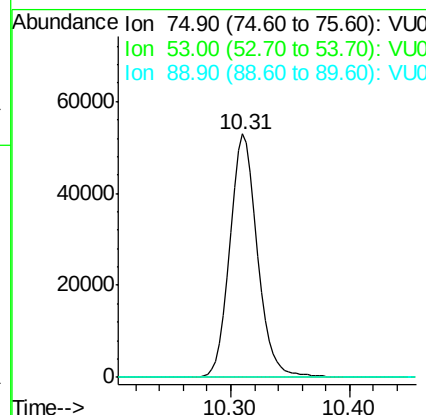
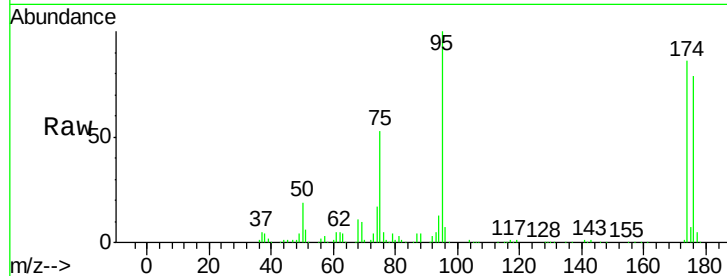
Time-->



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.51 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025343.D
 Acq: 12 Jul 2018 16:43

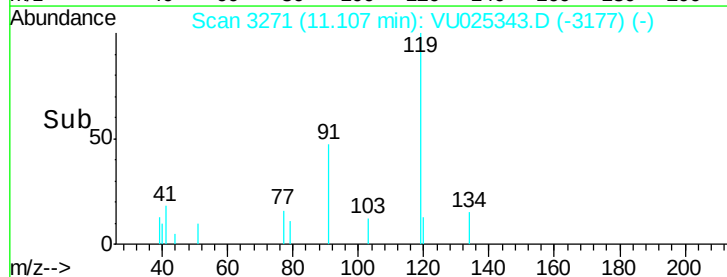
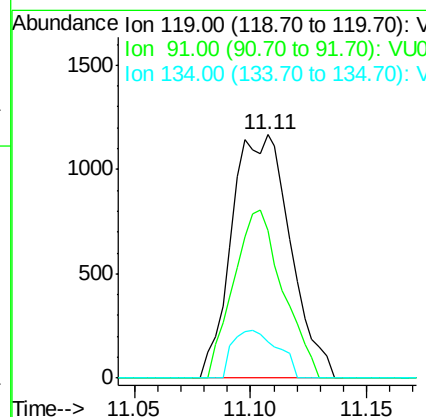
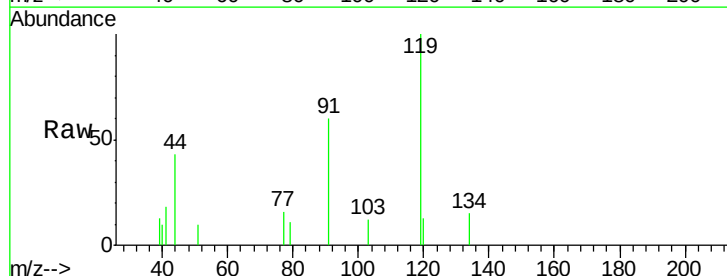
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0495-180709

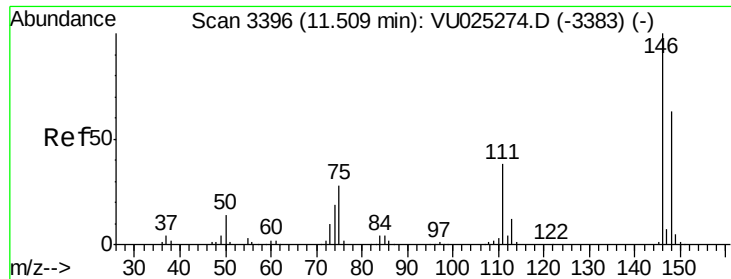
Tot Ion: 75 Resp: 84805
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0



#83
 tert-Butylbenzene
 Concen: 0.21 ug/l
 RT: 11.11 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU025343.D
 Acq: 12 Jul 2018 16:43

Tgt Ion: 119 Resp: 2044
 Ion Ratio Lower Upper
 119 100
 91 58.1 29.7 89.1
 134 15.0 11.5 34.5

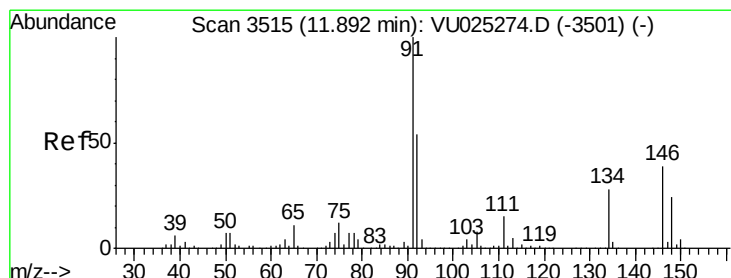
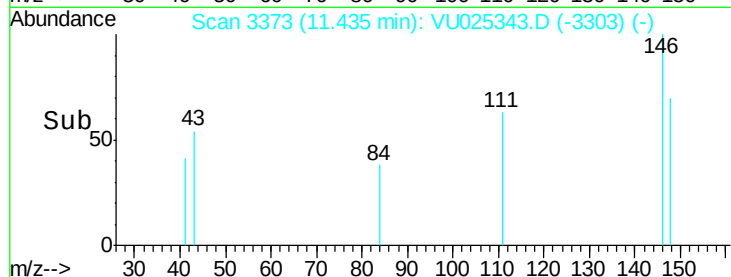
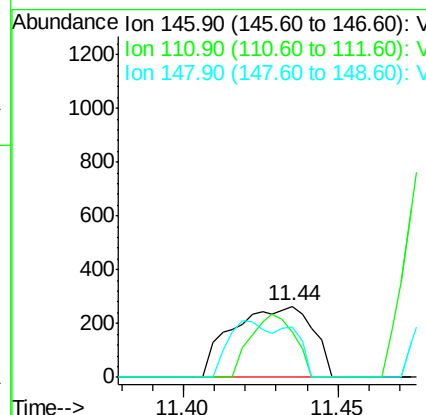
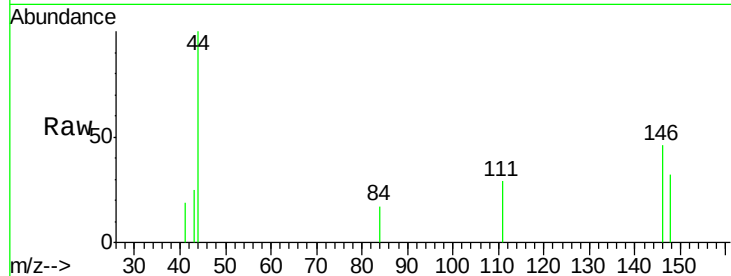




#88
 1,4-Dichlorobenzene
 Concen: 1.58 ug/l
 RT: 11.44 min Scan# 3373
 Delta R.T. -0.07 min
 Lab File: VU025343.D
 Acq: 12 Jul 2018 16:43

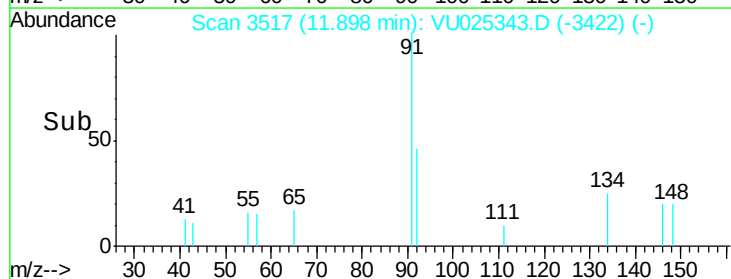
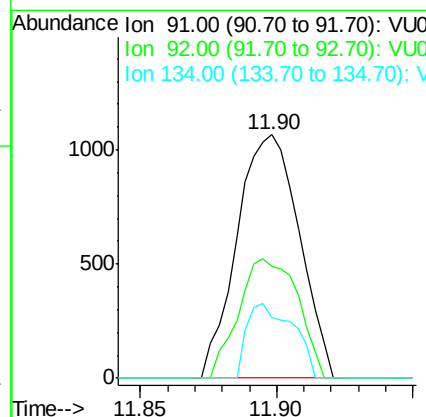
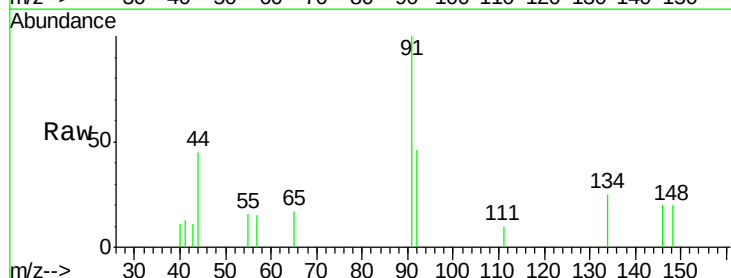
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0495-180709

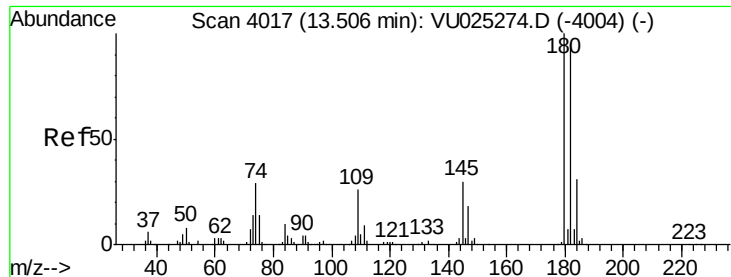
Tot Ion:146 Resp: 474
 Ion Ratio Lower Upper
 146 100
 111 48.9 19.4 58.1
 148 42.0 31.7 95.1



#89
 n-Butylbenzene
 Concen: 0.21 ug/l
 RT: 11.90 min Scan# 3517
 Delta R.T. 0.01 min
 Lab File: VU025343.D
 Acq: 12 Jul 2018 16:43

Tgt Ion: 91 Resp: 1685
 Ion Ratio Lower Upper
 91 100
 92 46.6 26.5 79.5
 134 22.7 13.6 40.7

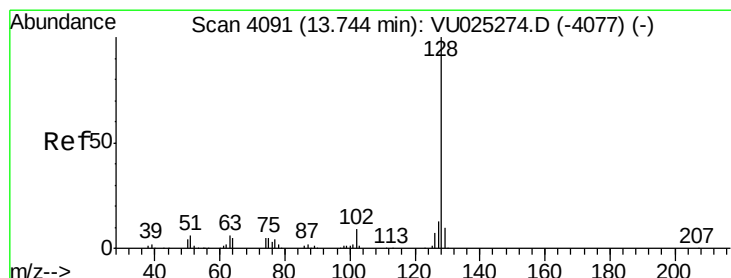
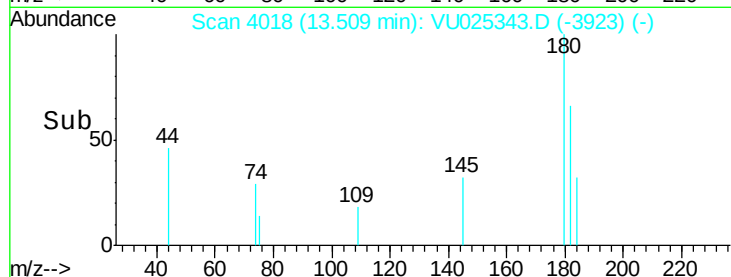
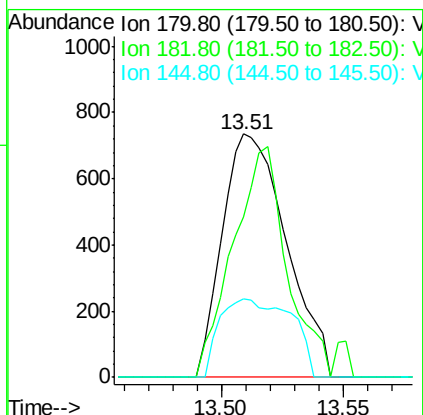
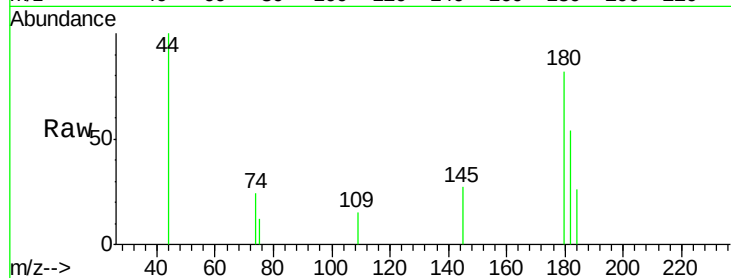




#93
 1,2,4-Trichlorobenzene
 Concen: 3.64 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025343.D
 Acq: 12 Jul 2018 16:43

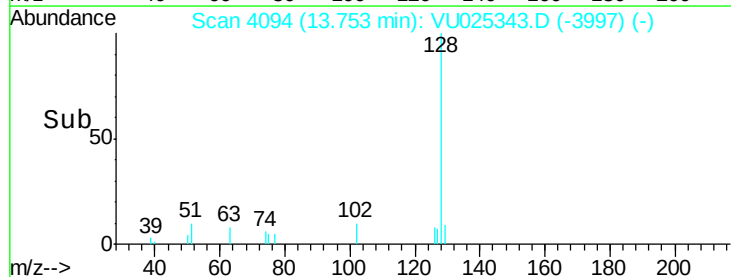
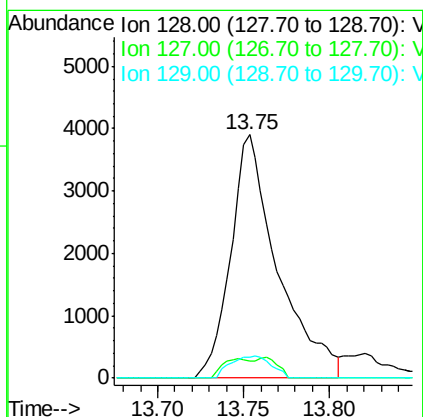
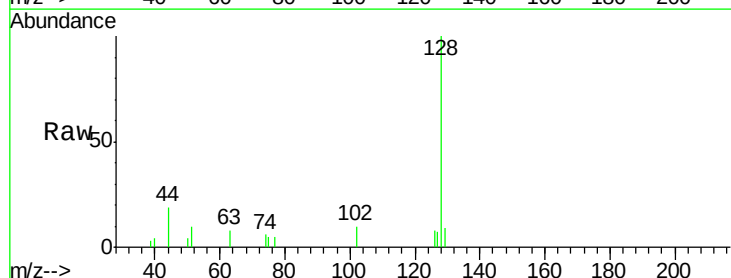
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0495-180709

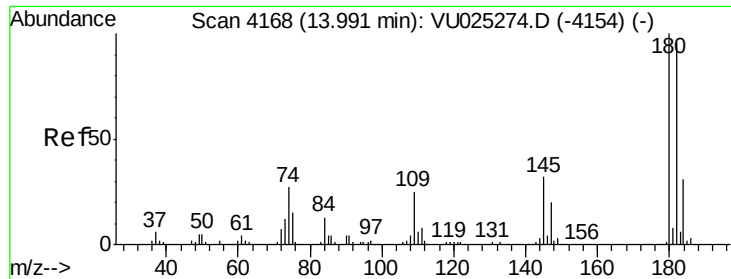
Tot Ion:180 Resp: 1341
 Ion Ratio Lower Upper
 180 100
 182 79.4 47.3 141.9
 145 36.3 14.9 44.7



#95
 Naphthalene
 Concen: 3.07 ug/l
 RT: 13.75 min Scan# 4094
 Delta R.T. 0.01 min
 Lab File: VU025343.D
 Acq: 12 Jul 2018 16:43

Tgt Ion:128 Resp: 7396
 Ion Ratio Lower Upper
 128 100
 127 5.4 10.5 15.7#
 129 7.8 8.3 12.5#





#96

1,2,3-Trichlorobenzene

Concen: 3.02 ug/l

RT: 13.99 min Scan# 4169

Delta R.T. 0.00 min

Lab File: VU025343.D

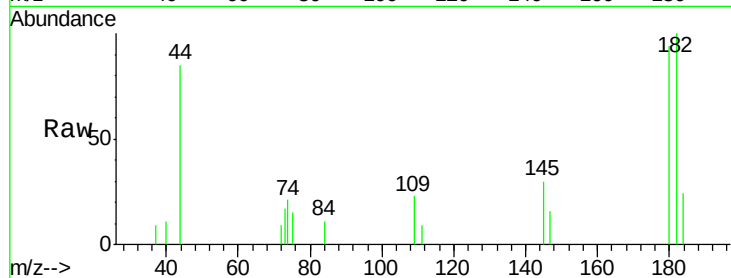
Acq: 12 Jul 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

DUP-0495-180709



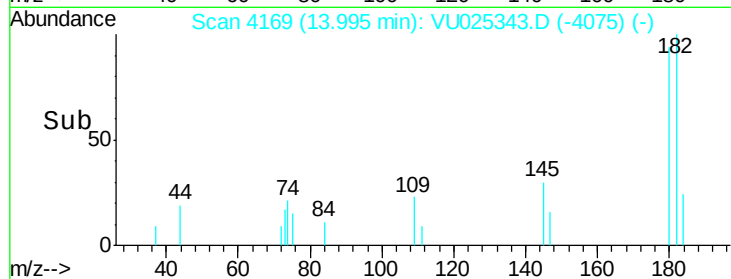
Tot Ion:180 Resp: 1877

Ion Ratio Lower Upper

180 100

182 92.2 47.8 143.3

145 35.8 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

