

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025258.D
 Acq On : 06 Jul 2018 22:32
 Operator : MD/SY
 Sample : J3842-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S10-0149

Quant Time: Jul 06 23:33:24 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	196227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299237	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	279745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142623	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	148655	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	4.89	113	117149	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
50) Toluene-d8	7.57	98	429380	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
62) 4-Bromofluorobenzene	10.31	95	159864	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

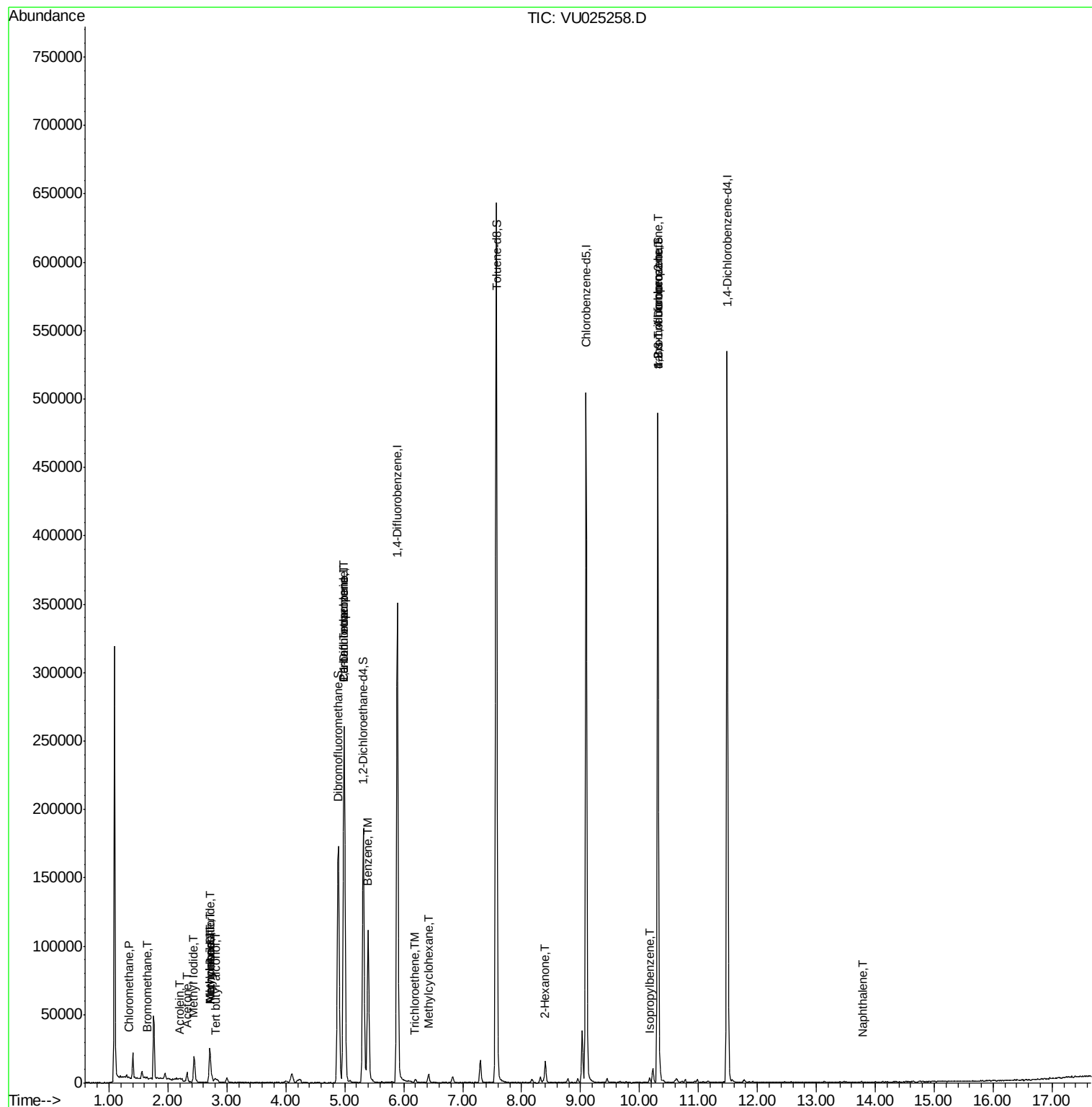
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	652	0.260	ug/l #	81
5) Bromomethane	1.63	94	335	0.268	ug/l #	56
6) Chloroethane	1.68	64	36	Below Cal	#	43
10) Methyl Iodide	2.43	142	86	5.326	ug/l #	40
11) Tert butyl alcohol	2.82	59	1321	1.696	ug/l	97
13) Acrolein	2.19	56	177	0.433	ug/l #	43
14) Allyl chloride	2.71	41	7709	1.858	ug/l #	60
15) Acrylonitrile	2.71	53	422	0.278	ug/l #	1
16) Acetone	2.32	43	7606	4.419	ug/l	91
18) Methyl Acetate	2.71	43	18410	4.989	ug/l #	53
20) Methylene Chloride	2.71	84	776	0.287	ug/l #	56
31) Cyclohexane	4.99	56	8087	Below Cal	#	61
36) 1,1-Dichloropropene	4.99	75	14172	4.030	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18286	4.729	ug/l #	17
39) Methylcyclohexane	6.42	83	2580	0.588	ug/l	94
40) Benzene	5.39	78	107302	10.709	ug/l	99
44) Trichloroethene	6.19	130	724	0.254	ug/l	99
59) 2-Hexanone	8.39	43	876	0.258	ug/l	71
73) Isopropylbenzene	10.17	105	2334	0.213	ug/l	83
76) 1,2,3-Trichloropropane	10.31	75	82161	26.166	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	82161	60.558	ug/l #	100
95) Naphthalene	13.79	128	84	0.687	ug/l #	69

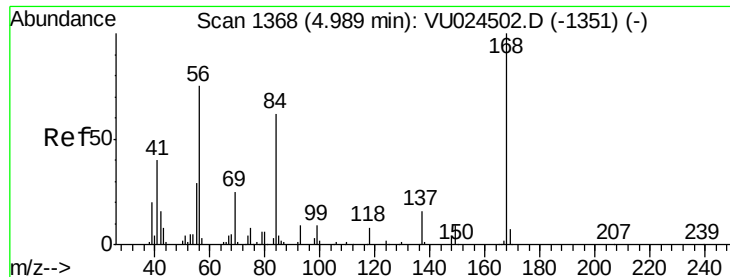
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025258.D

Acq: 06 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

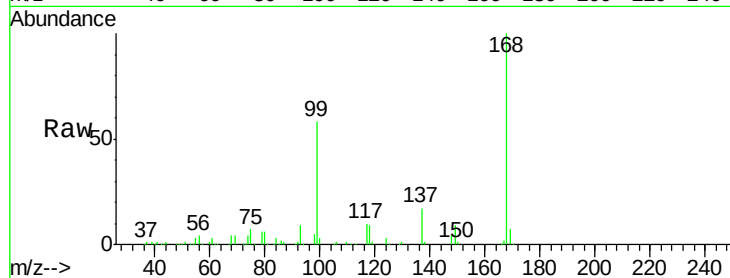
S10-0149

Tot Ion:168 Resp: 196227

Ion Ratio Lower Upper

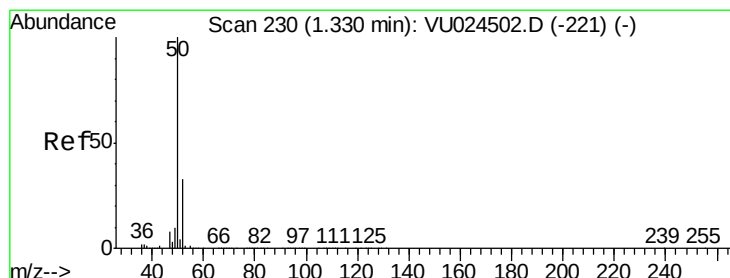
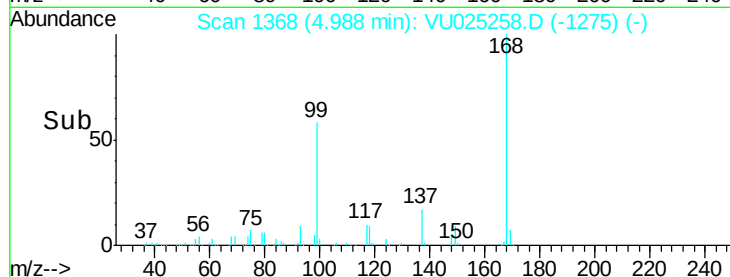
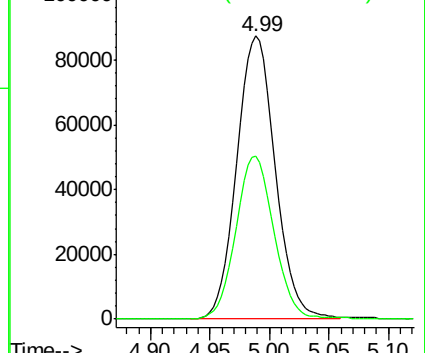
168 100

99 57.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025258.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025258.D (-1275) (-)



#3

Chloromethane

Concen: 0.260 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025258.D

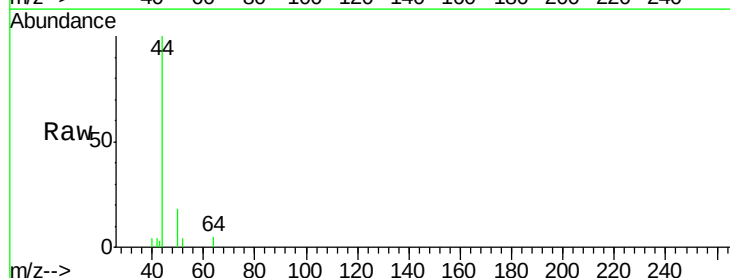
Acq: 06 Jul 2018 22:32

Tgt Ion: 50 Resp: 652

Ion Ratio Lower Upper

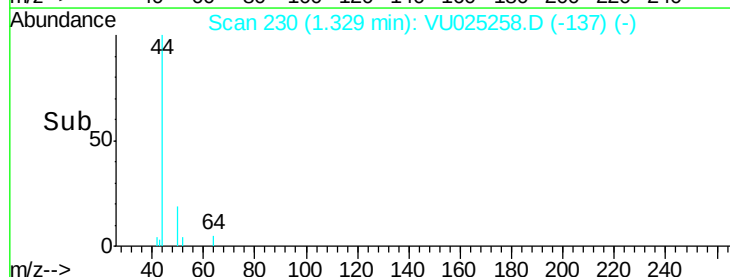
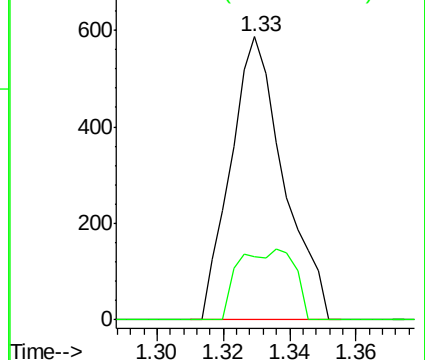
50 100

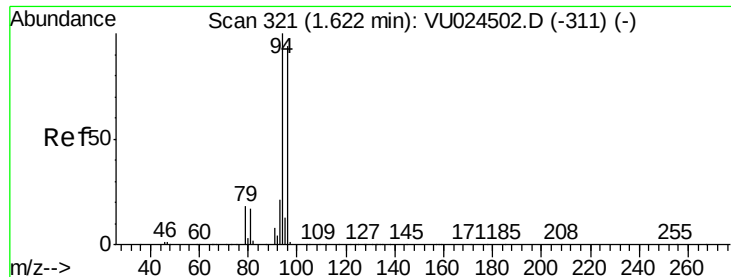
52 22.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU025258.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025258.D (-137) (-)





#5

Bromomethane

Concen: 0.268 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025258.D

Acq: 06 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

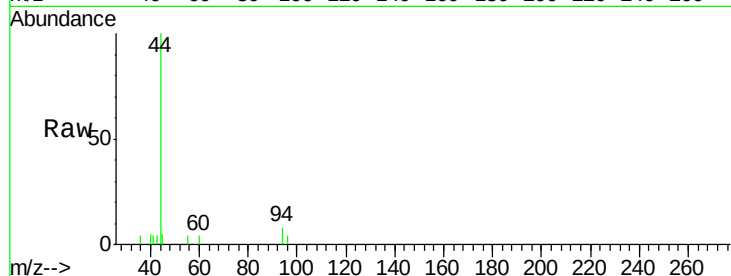
S10-0149

Tot Ion: 94 Resp: 335

Ion Ratio Lower Upper

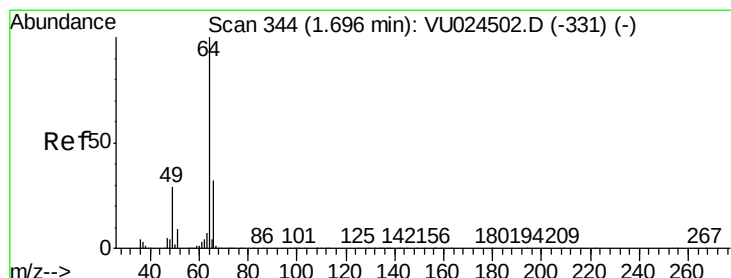
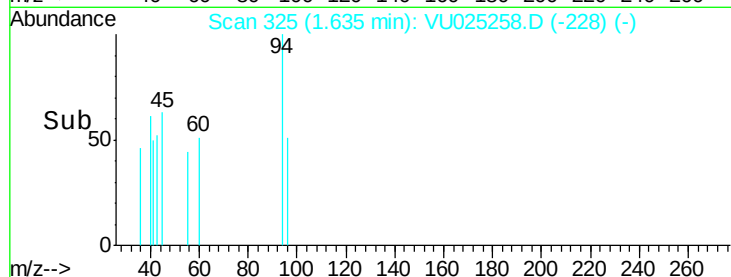
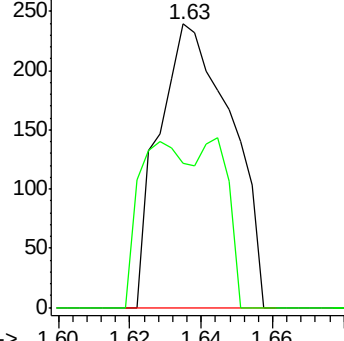
94 100

96 51.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 338

Delta R.T. -0.02 min

Lab File: VU025258.D

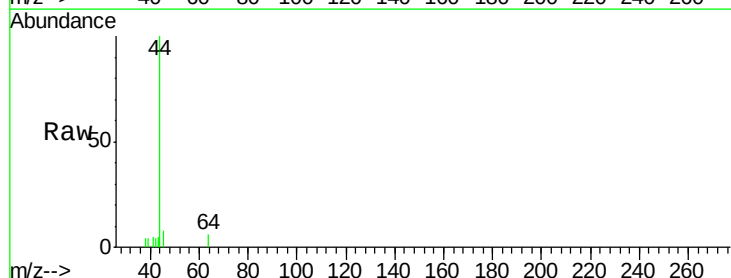
Acq: 06 Jul 2018 22:32

Tgt Ion: 64 Resp: 36

Ion Ratio Lower Upper

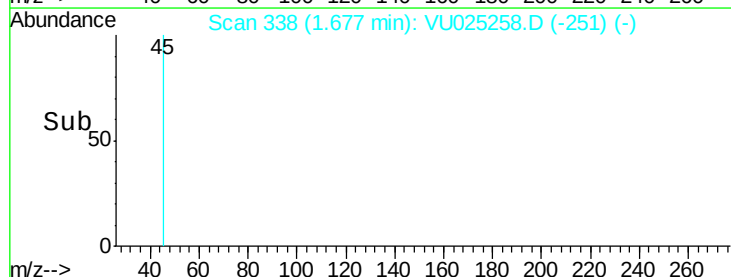
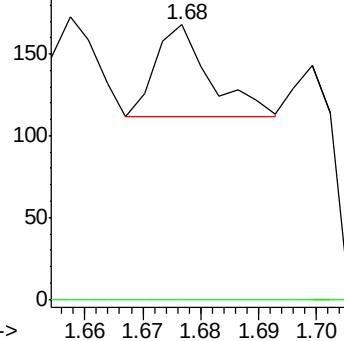
64 100

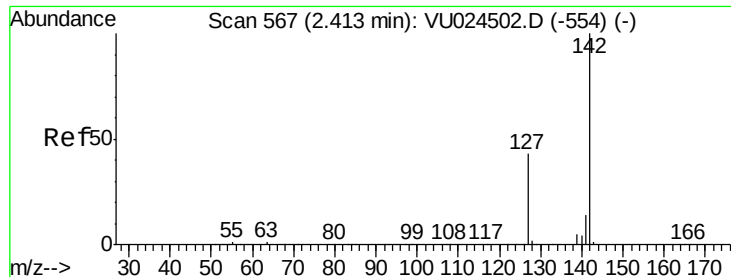
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

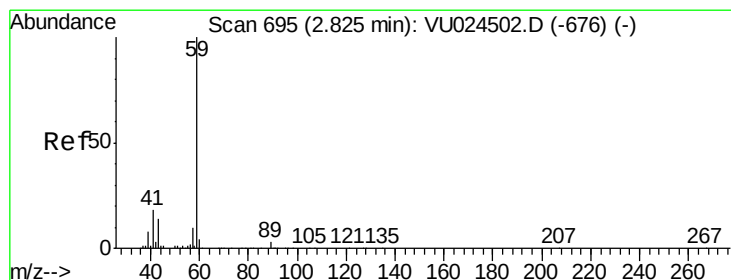
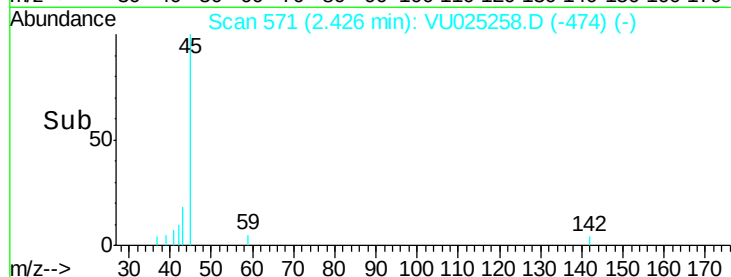
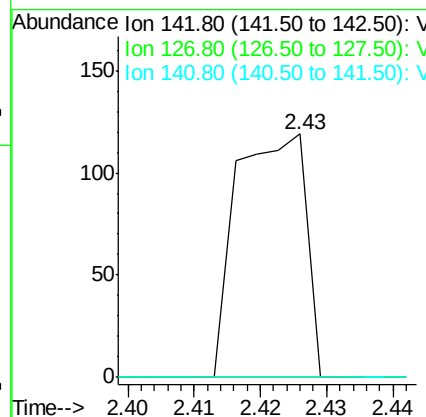
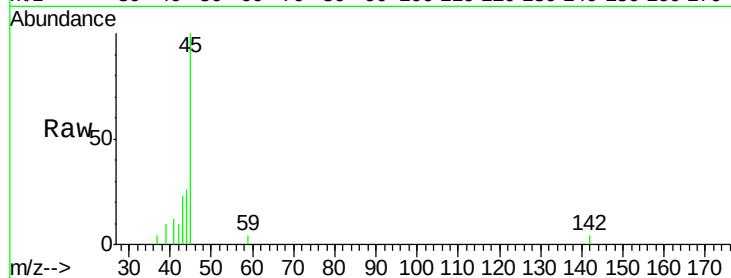




#10
Methvl Iodide
Concen: 5.326 ug/l
RT: 2.43 min Scan# 571
Delta R.T. 0.01 min
Lab File: VU025258.D
Acq: 06 Jul 2018 22:32

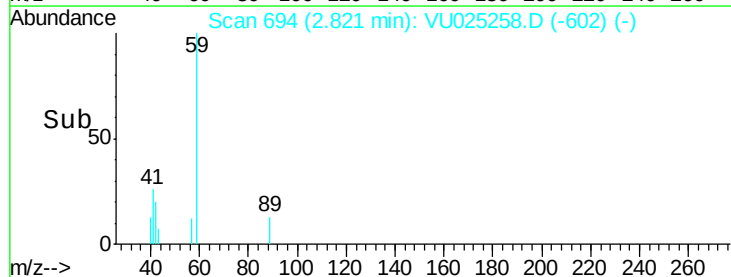
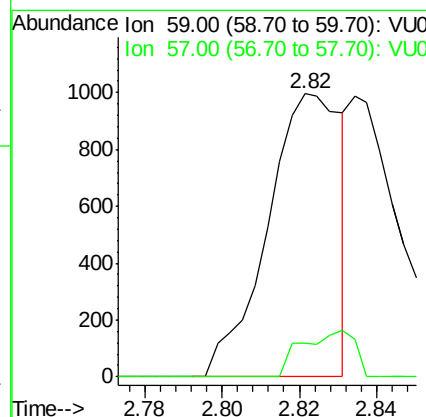
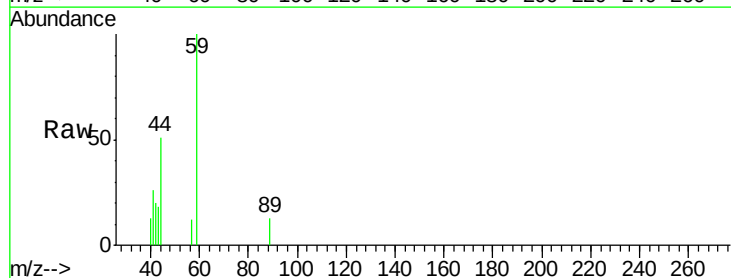
Instrument :
MSVOA_U
ClientSampleId :
S10-0149

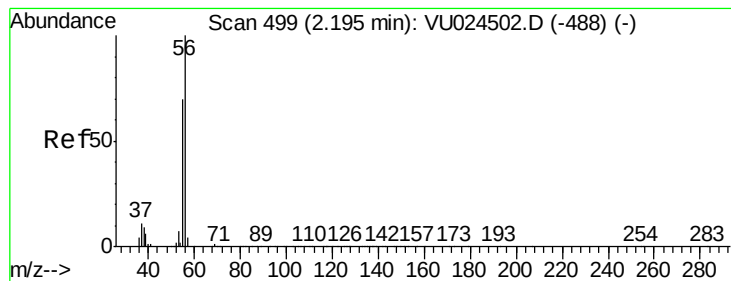
Tot Ion:142 Resp: 86
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.696 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025258.D
Acq: 06 Jul 2018 22:32

Tgt Ion: 59 Resp: 1321
Ion Ratio Lower Upper
59 100
57 11.6 8.5 12.7





#13

Acrolein

Concen: 0.433 ug/l

RT: 2.19 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU025258.D

Acq: 06 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

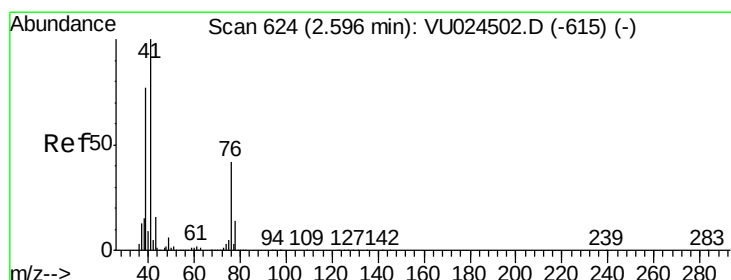
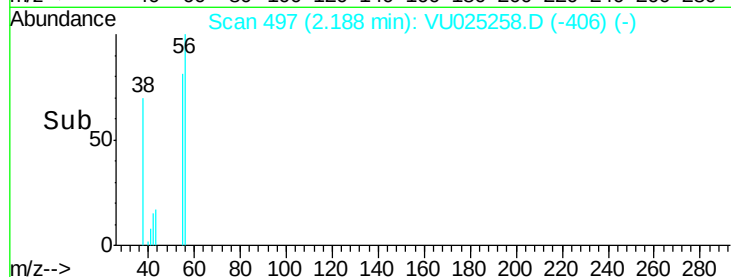
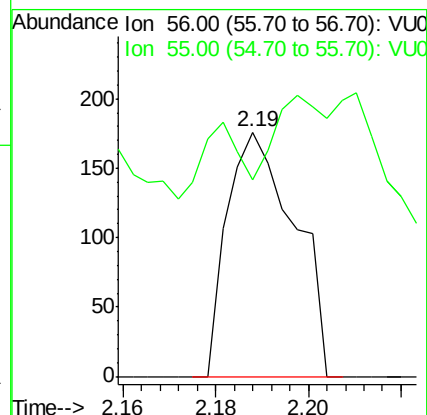
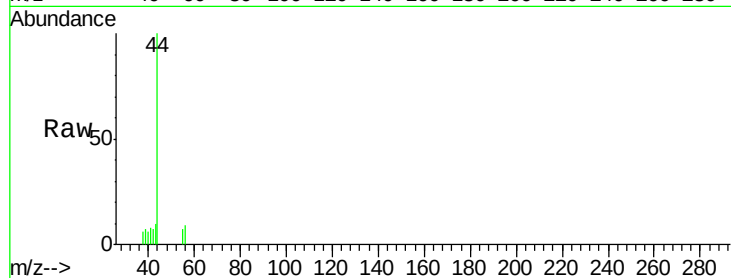
S10-0149

Tot Ion: 56 Resp: 177

Ion Ratio Lower Upper

56 100

55 24.9 58.4 87.6#



#14

Allyl chloride

Concen: 1.858 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.11 min

Lab File: VU025258.D

Acq: 06 Jul 2018 22:32

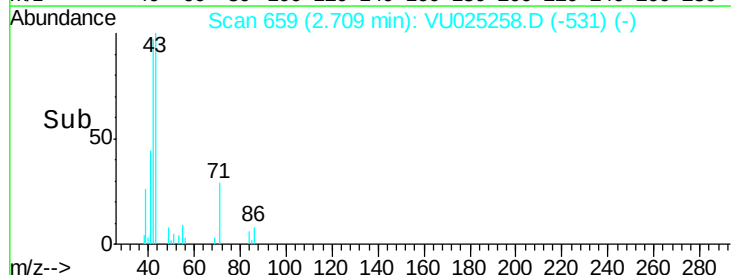
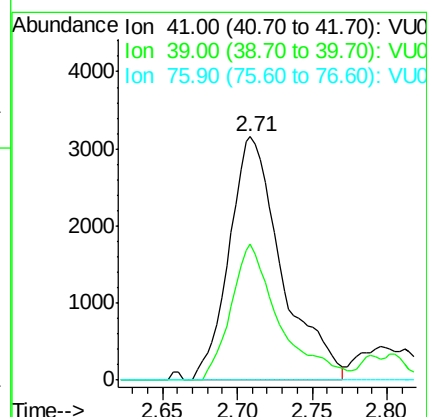
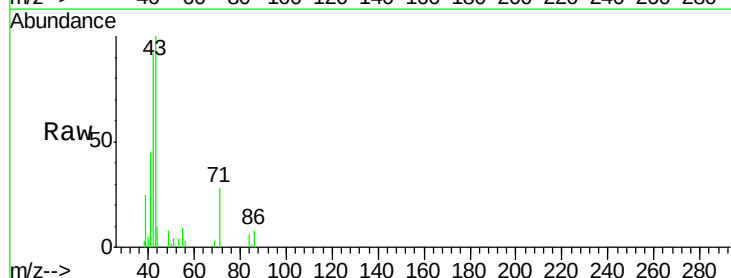
Tgt Ion: 41 Resp: 7709

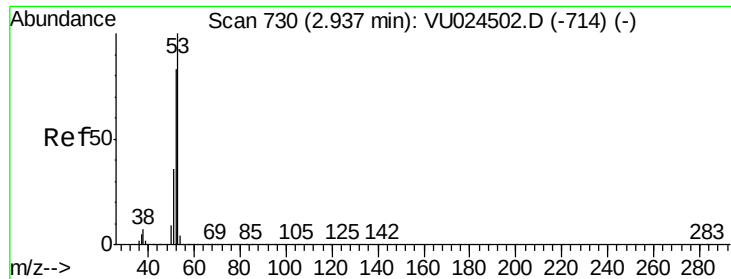
Ion Ratio Lower Upper

41 100

39 51.6 61.6 92.4#

76 0.0 29.7 44.5#





#15

Acrylonitrile

Concen: 0.278 ug/l

RT: 2.71 min Scan# 660

Delta R.T. -0.23 min

Lab File: VU025258.D

Acq: 06 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

S10-0149

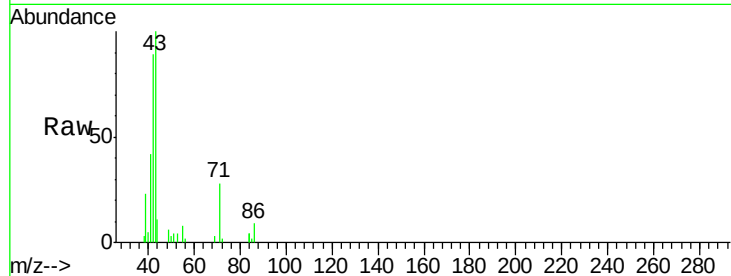
Tot Ion: 53 Resp: 422

Ion Ratio Lower Upper

53 100

52 0.0 67.1 100.7#

51 124.4 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

400

300

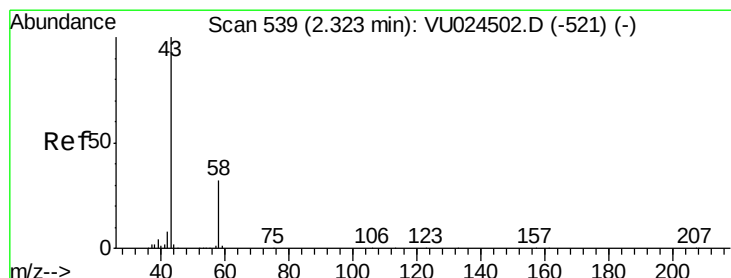
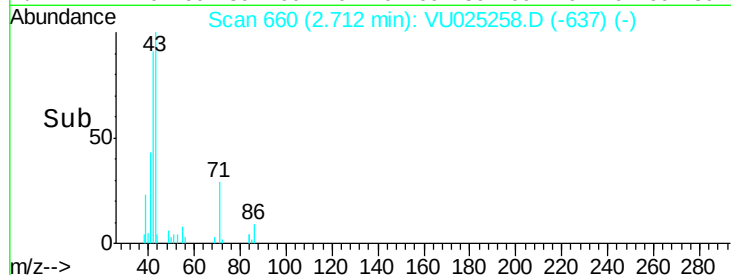
200

100

0

2.68 2.70 2.72 2.74

Time-->



#16

Acetone

Concen: 4.419 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025258.D

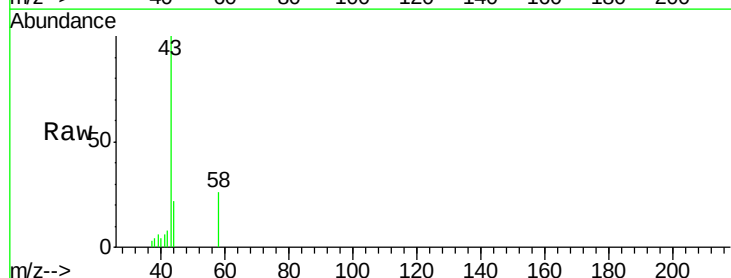
Acq: 06 Jul 2018 22:32

Tgt Ion: 43 Resp: 7606

Ion Ratio Lower Upper

43 100

58 25.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

5000

4000

3000

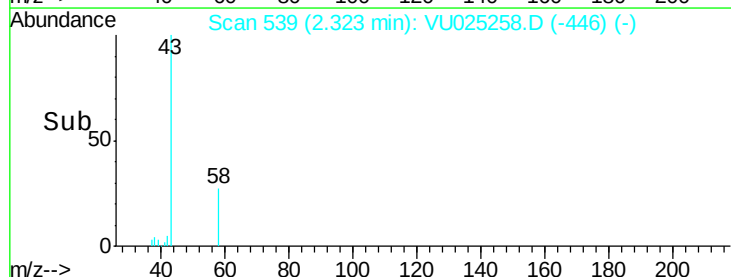
2000

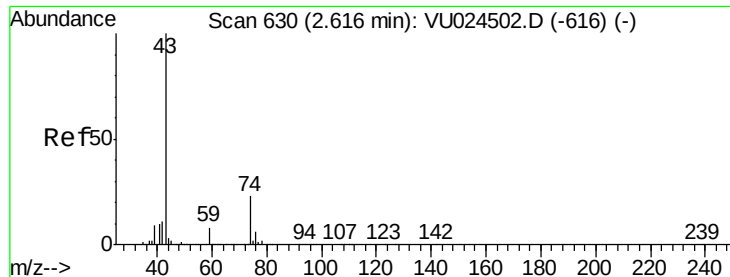
1000

0

2.25 2.30 2.35 2.40

Time-->

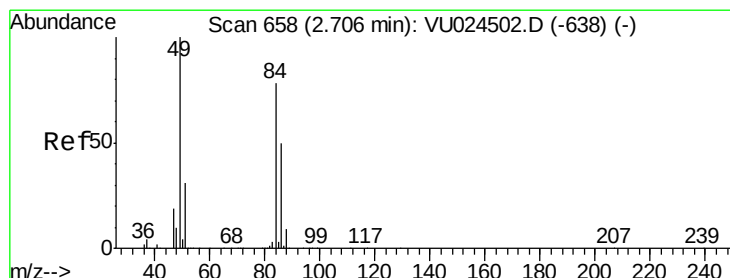
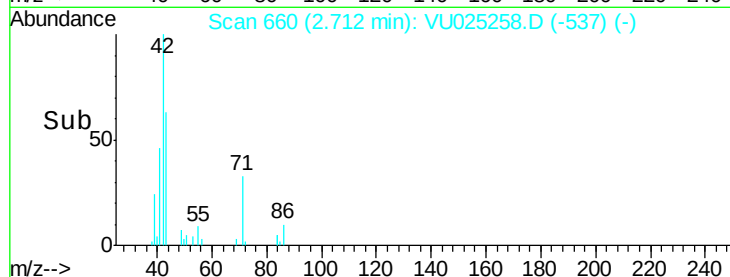
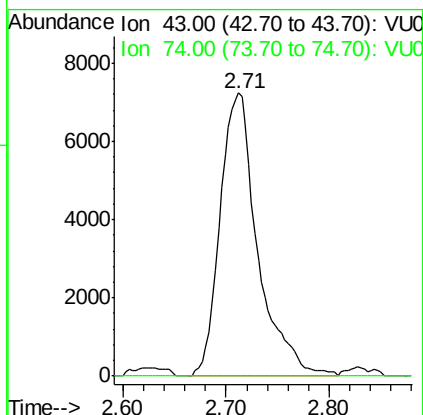
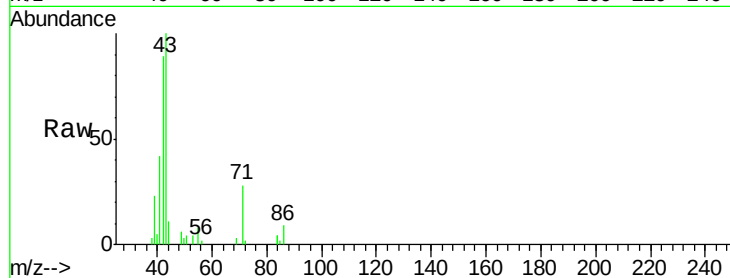




#18
Methvl Acetate
Concen: 4.989 ug/l
RT: 2.71 min Scan# 660
Delta R.T. 0.10 min
Lab File: VU025258.D
Acq: 06 Jul 2018 22:32

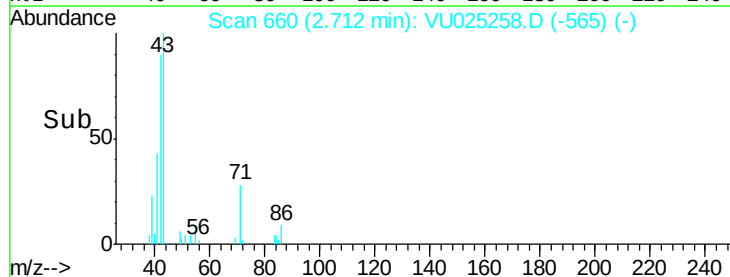
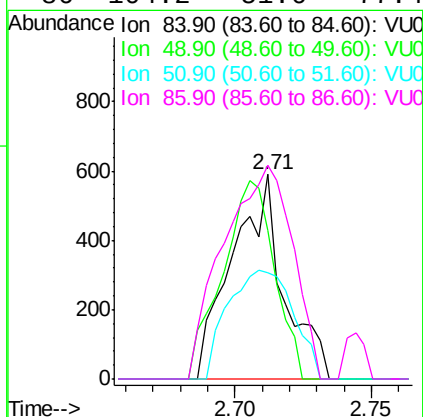
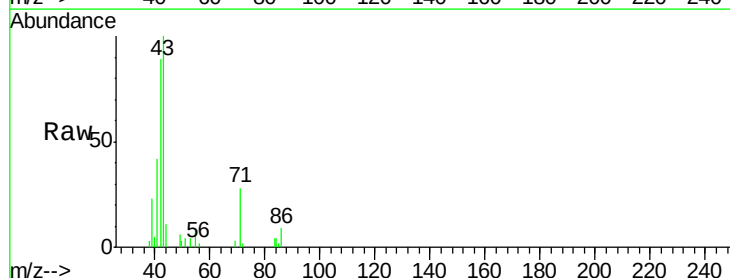
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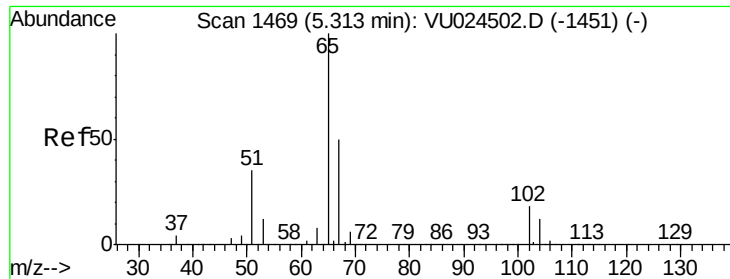
Tot Ion: 43 Resp: 18410
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 0.287 ug/l
RT: 2.71 min Scan# 660
Delta R.T. 0.01 min
Lab File: VU025258.D
Acq: 06 Jul 2018 22:32

Tgt Ion: 84 Resp: 776
Ion Ratio Lower Upper
84 100
49 72.8 103.8 155.8#
51 52.1 32.0 48.0#
86 104.2 51.6 77.4#

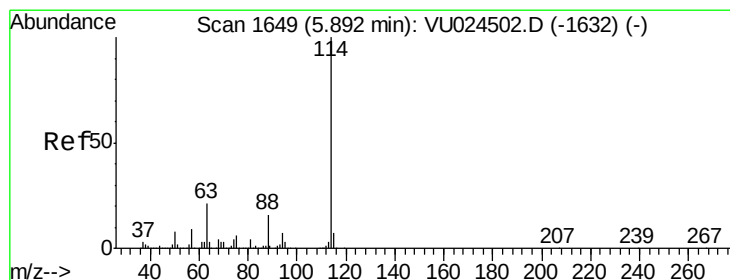
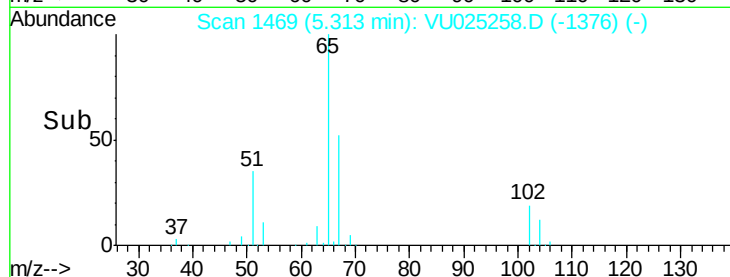
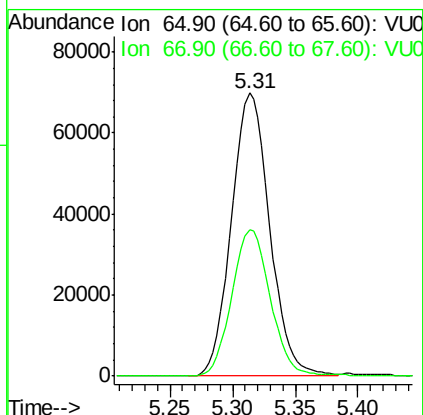
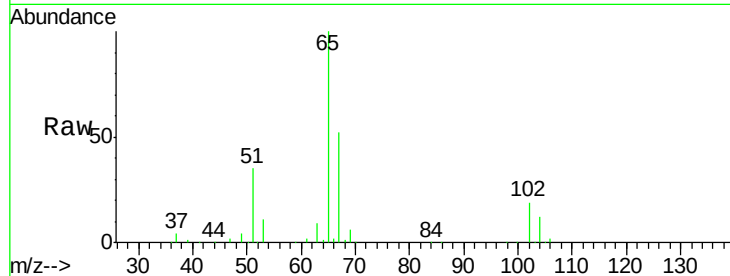




#33
 1,2-Dichloroethane-d4
 Concen: 46.405 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025258.D
 Acq: 06 Jul 2018 22:32

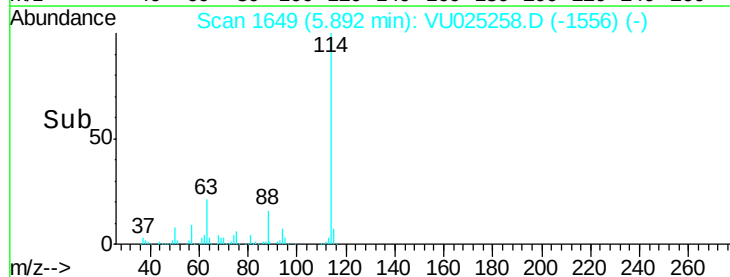
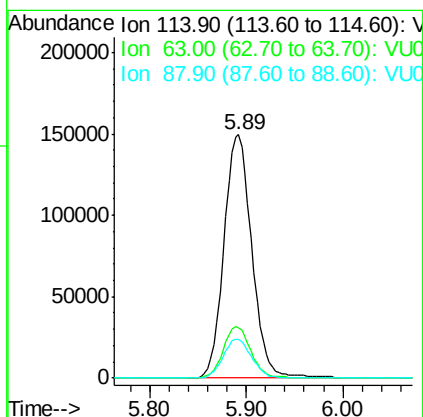
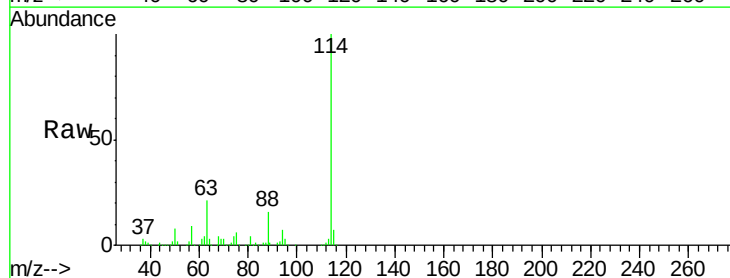
Instrument :
 MSVOA_U
 ClientSampleId :
 S10-0149

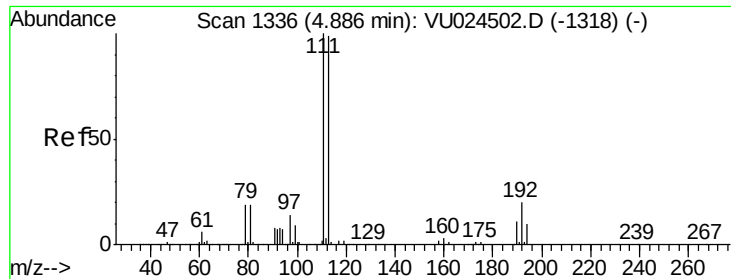
Tot Ion: 65 Resp: 148655
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025258.D
 Acq: 06 Jul 2018 22:32

Tgt Ion: 114 Resp: 299237
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.4
 88 16.0 0.0 31.0

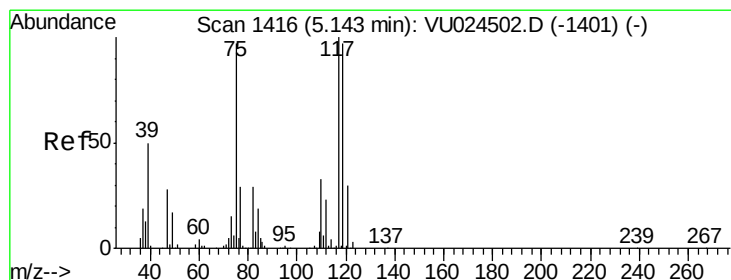
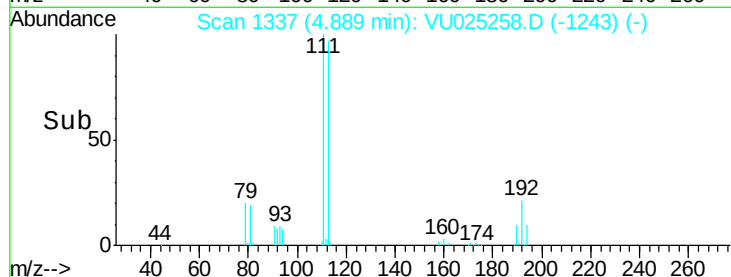
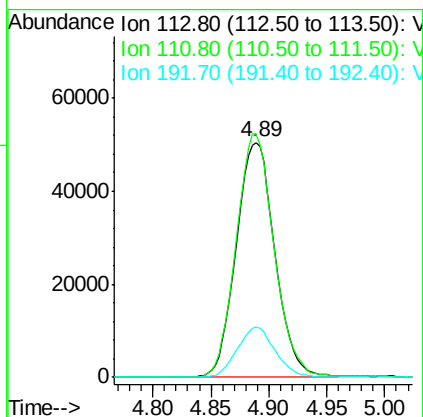
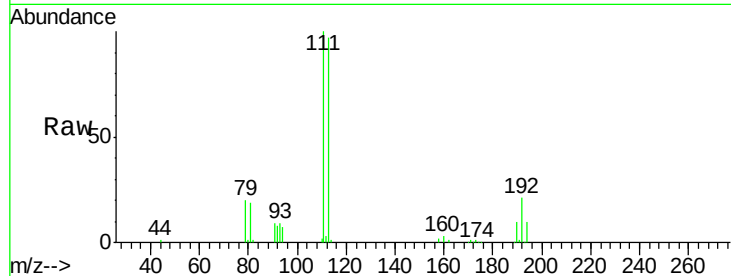




#35
 Dibromofluoromethane
 Concen: 47.172 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025258.D
 Acq: 06 Jul 2018 22:32

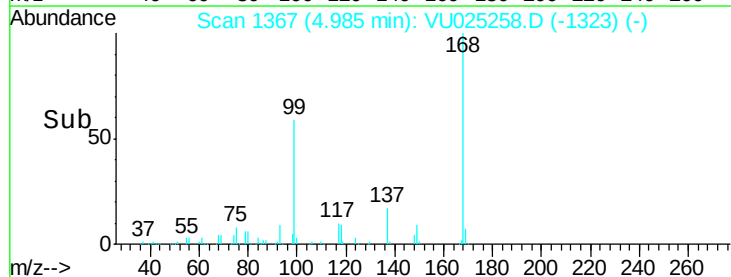
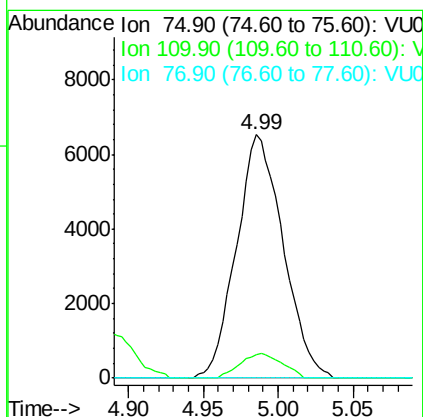
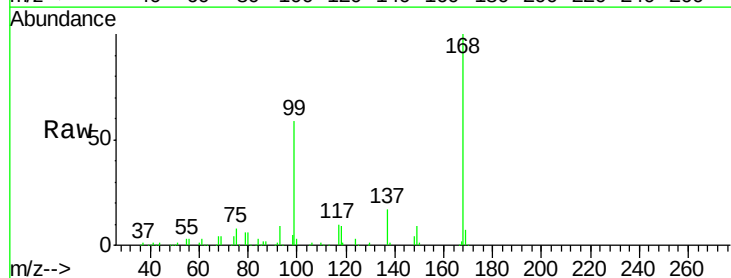
Instrument :
 MSVOA_U
 ClientSampleId :
 S10-0149

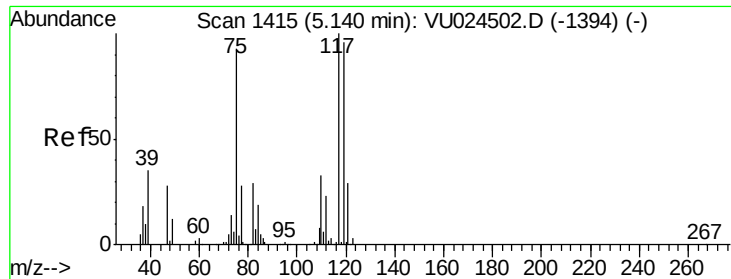
Tot Ion:113 Resp: 117149
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.2 123.4
 192 20.9 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.030 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025258.D
 Acq: 06 Jul 2018 22:32

Tgt Ion: 75 Resp: 14172
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.0 50.9#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 4.729 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025258.D

Acq: 06 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

S10-0149

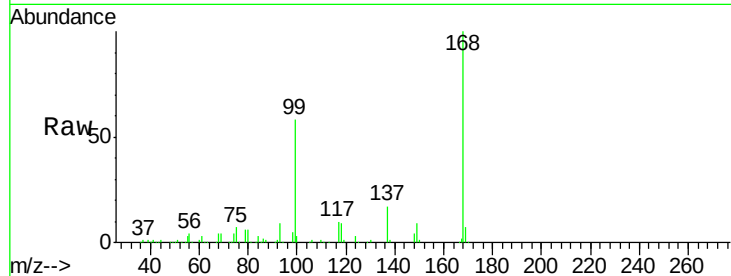
Tot Ion:117 Resp: 18286

Ion Ratio Lower Upper

117 100

119 6.3 76.1 114.1#

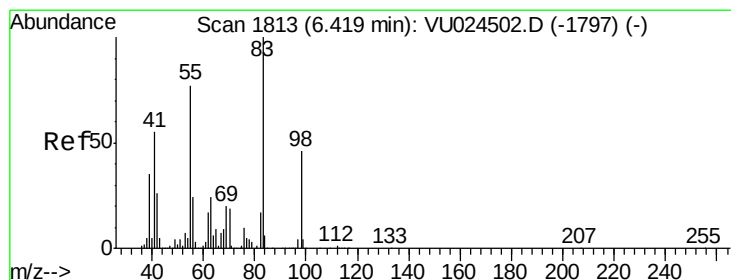
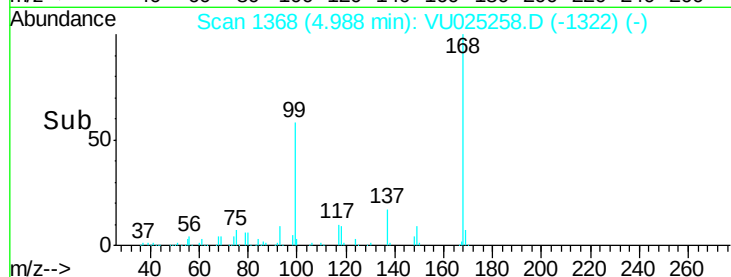
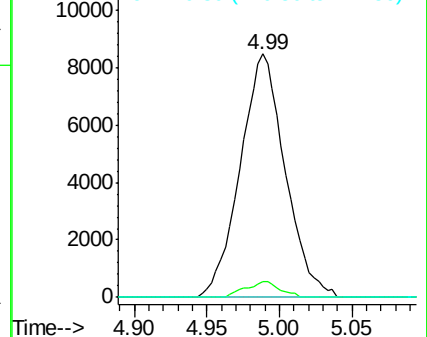
121 0.0 23.7 35.5#



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



#39

Methylcyclohexane

Concen: 0.588 ug/l

RT: 6.42 min Scan# 1814

Delta R.T. 0.00 min

Lab File: VU025258.D

Acq: 06 Jul 2018 22:32

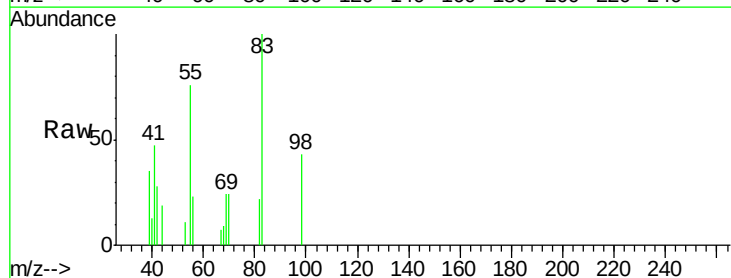
Tgt Ion: 83 Resp: 2580

Ion Ratio Lower Upper

83 100

55 75.8 65.8 98.6

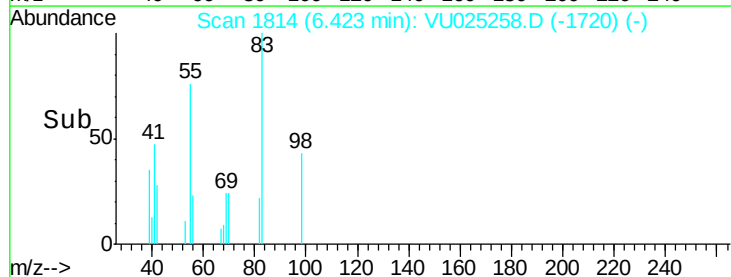
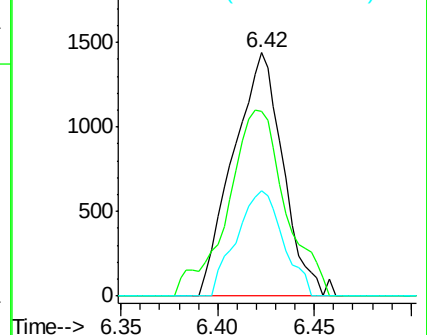
98 43.1 36.7 55.1

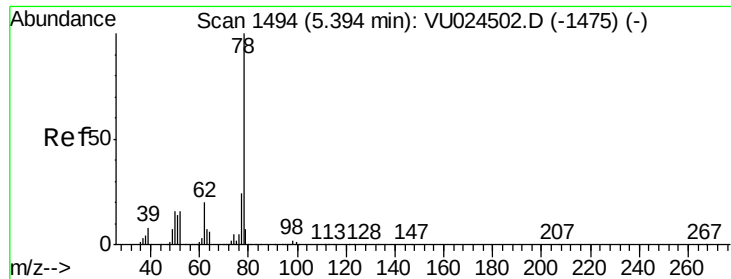


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 10.709 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VU025258.D

Acq: 06 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

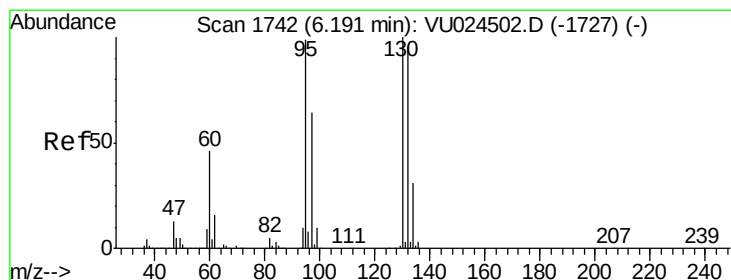
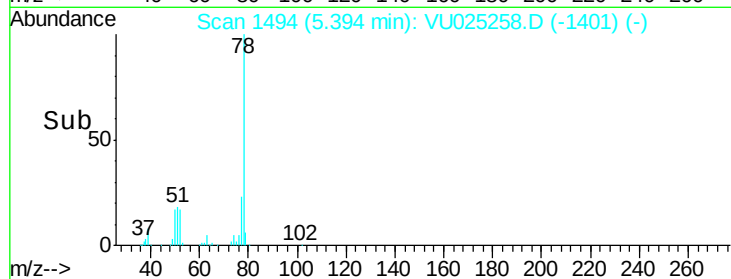
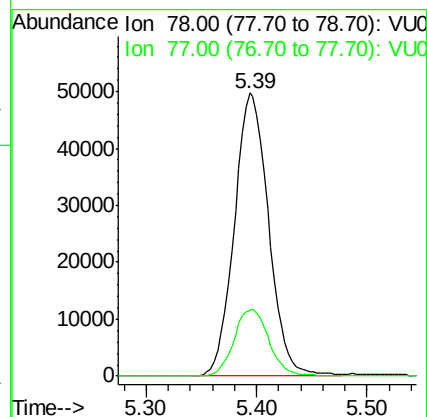
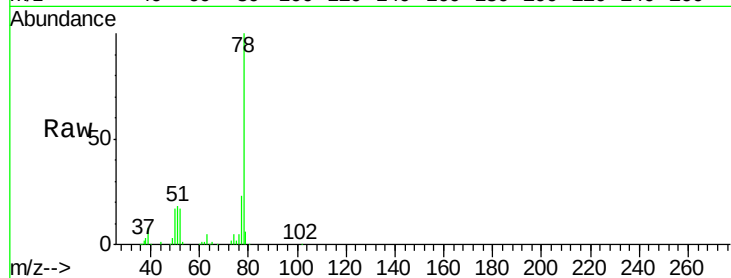
S10-0149

Tot Ion: 78 Resp: 107302

Ion Ratio Lower Upper

78 100

77 23.4 19.2 28.8



#44

Trichloroethene

Concen: 0.254 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025258.D

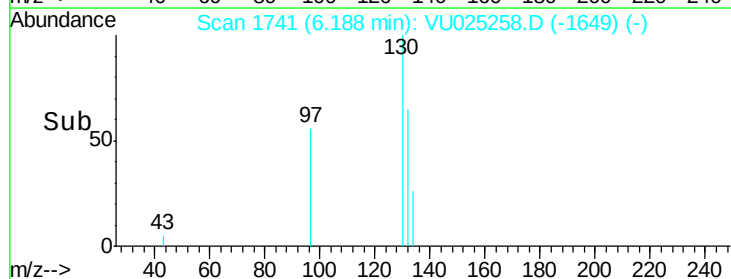
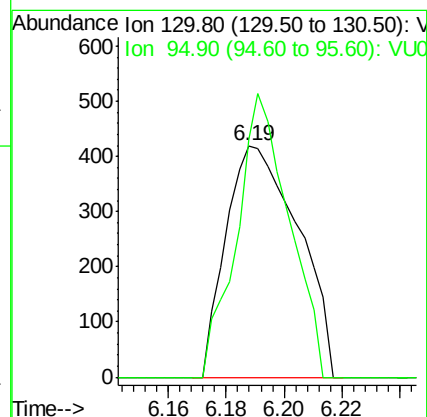
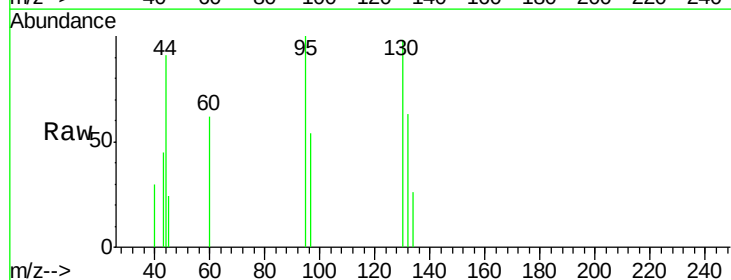
Acq: 06 Jul 2018 22:32

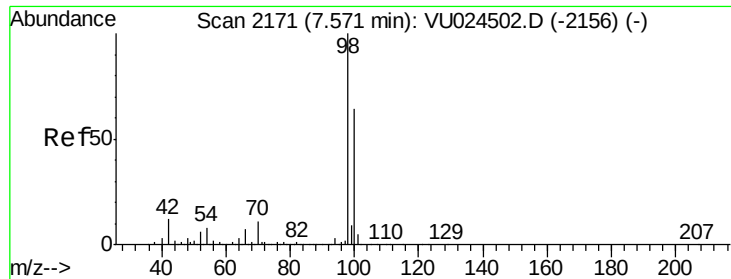
Tgt Ion:130 Resp: 724

Ion Ratio Lower Upper

130 100

95 102.4 0.0 202.4

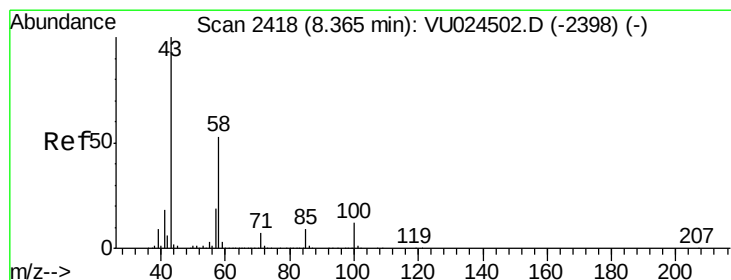
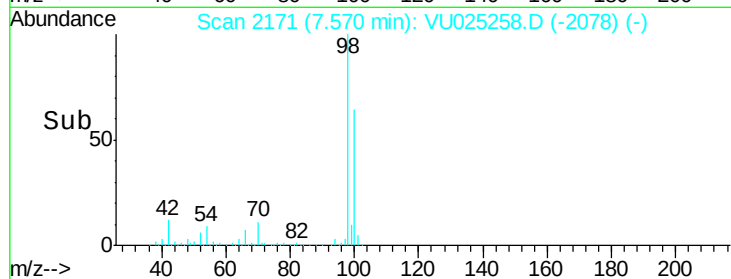
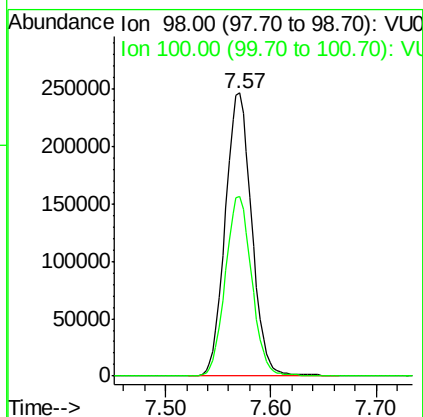
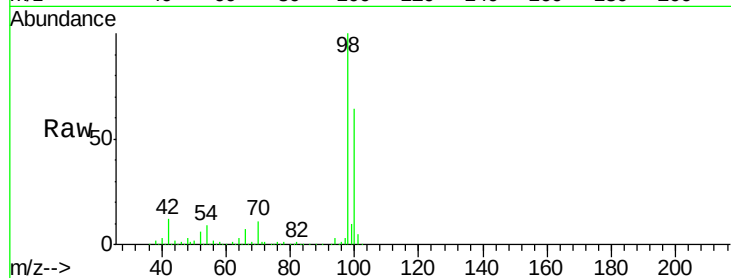




#50
Toluene-d8
Concen: 47.400 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025258.D
Acq: 06 Jul 2018 22:32

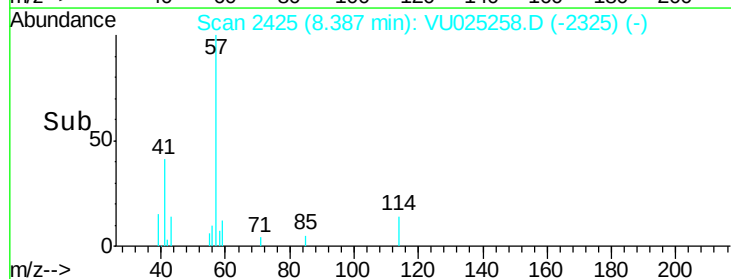
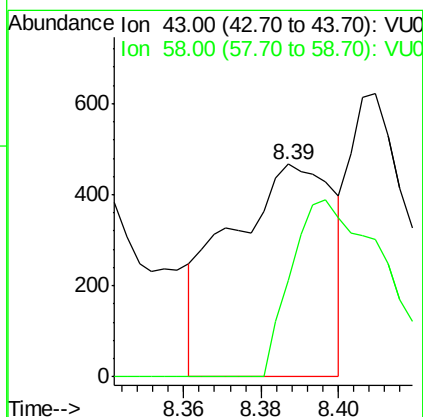
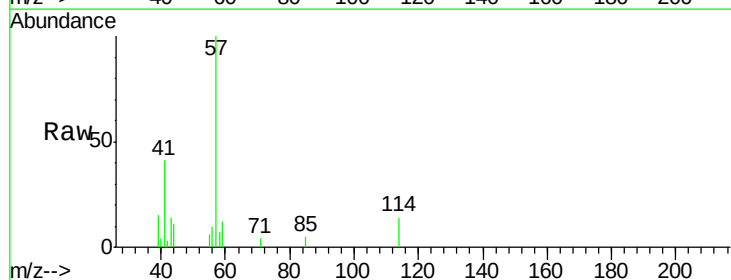
Instrument :
MSVOA_U
ClientSampleId :
S10-0149

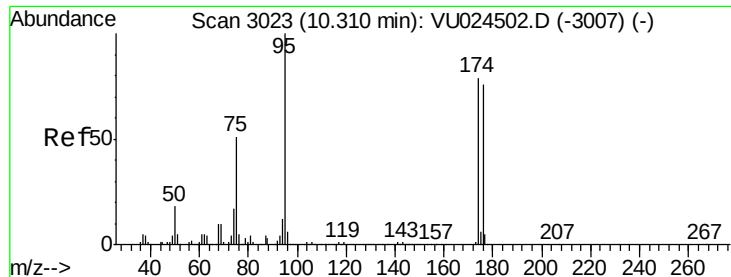
Tot Ion: 98 Resp: 429380
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7



#59
2-Hexanone
Concen: 0.258 ug/l
RT: 8.39 min Scan# 2425
Delta R.T. 0.02 min
Lab File: VU025258.D
Acq: 06 Jul 2018 22:32

Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
58 73.4 26.4 79.0

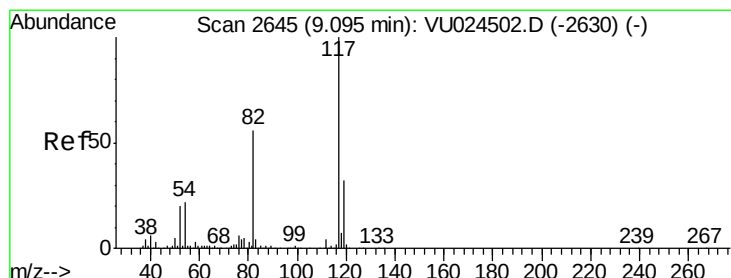
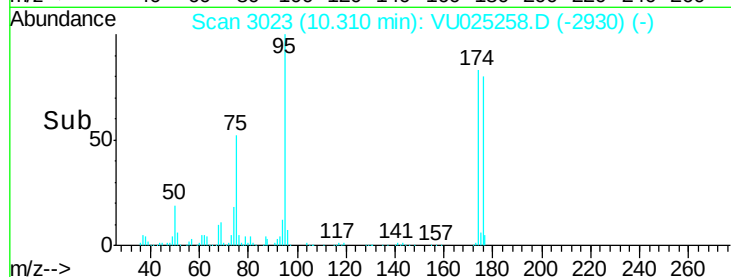
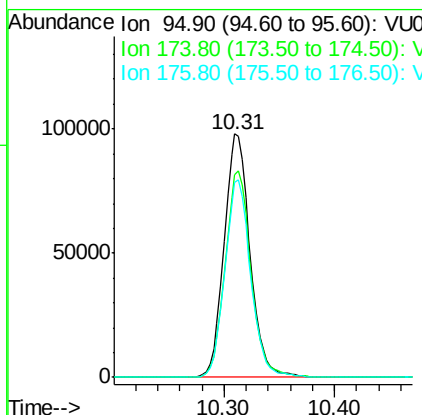
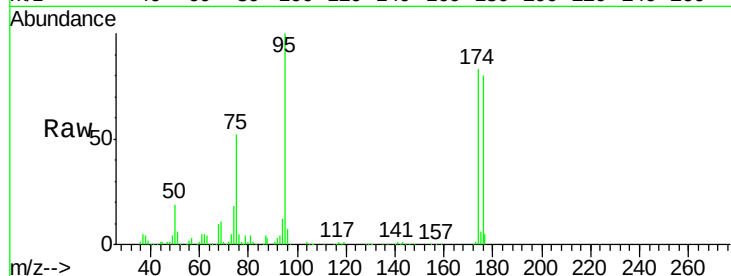




#62
4-Bromofluorobenzene
Concen: 44.448 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025258.D
Acq: 06 Jul 2018 22:32

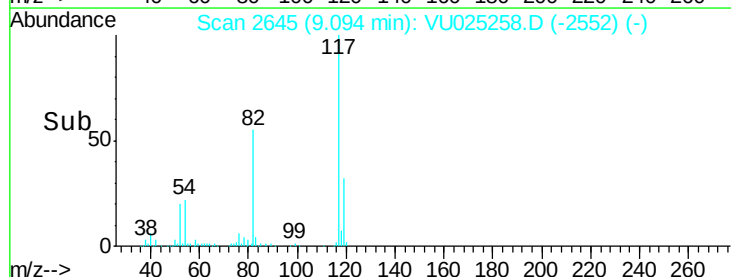
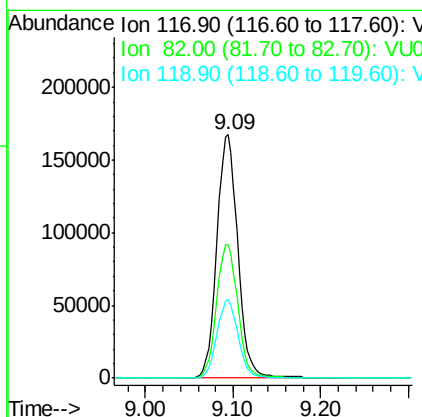
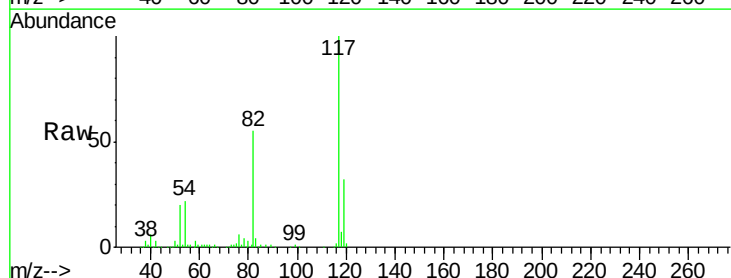
Instrument :
MSVOA_U
ClientSampleId :
S10-0149

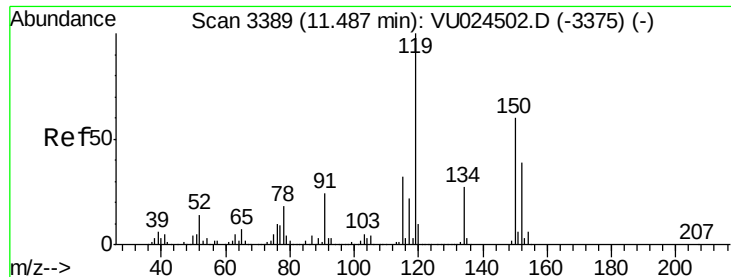
Tot Ion: 95 Resp: 159864
Ion Ratio Lower Upper
95 100
174 85.0 0.0 165.8
176 80.9 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025258.D
Acq: 06 Jul 2018 22:32

Tgt Ion: 117 Resp: 279745
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 32.2 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: VU025258.D

Acq: 06 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

S10-0149

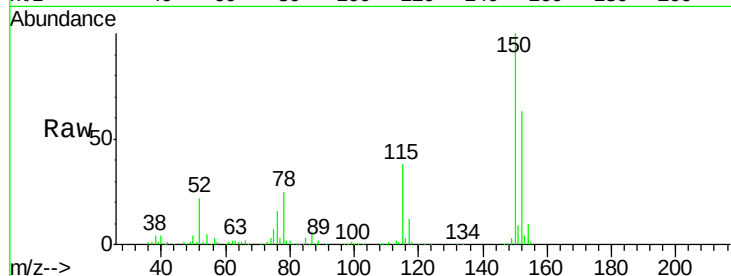
Tot Ion:152 Resp: 142623

Ion Ratio Lower Upper

152 100

115 58.2 43.0 129.0

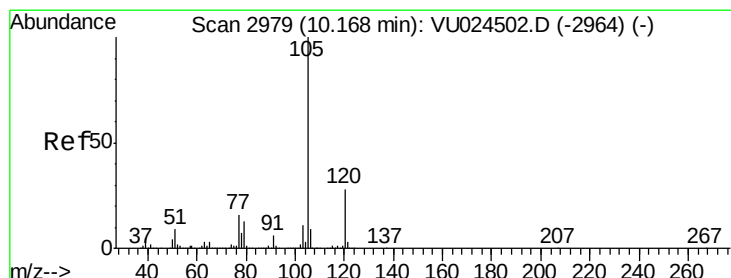
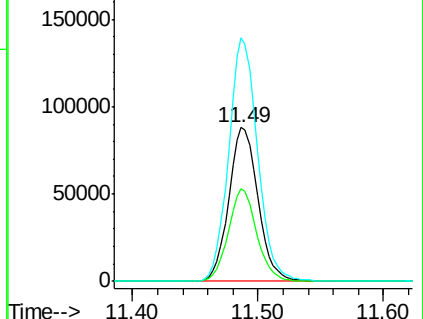
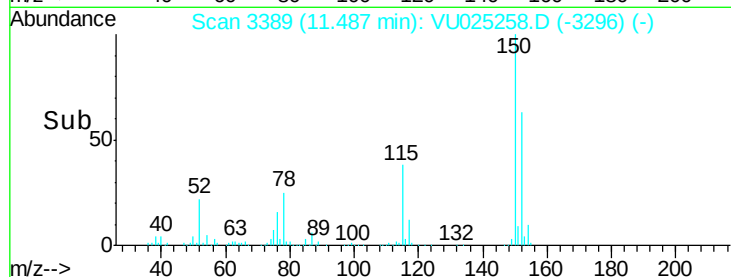
150 156.1 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.213 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025258.D

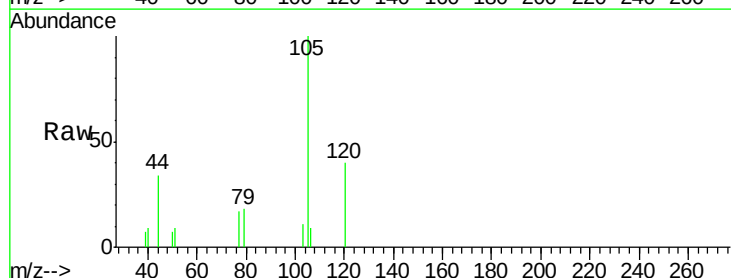
Acq: 06 Jul 2018 22:32

Tgt Ion:105 Resp: 2334

Ion Ratio Lower Upper

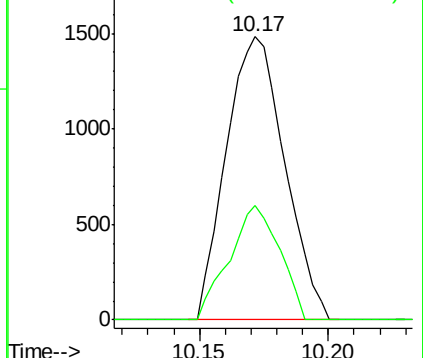
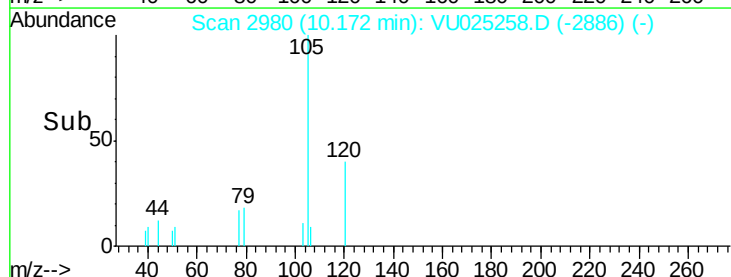
105 100

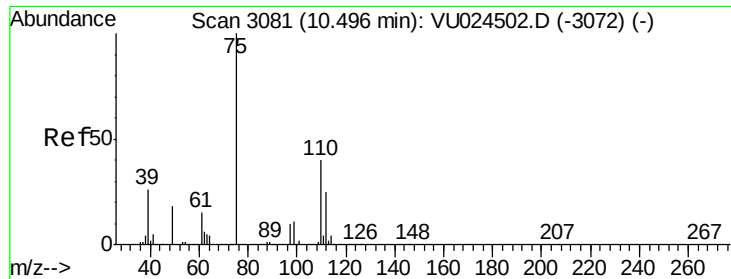
120 34.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

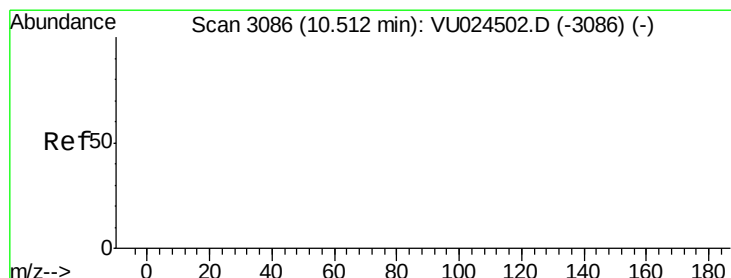
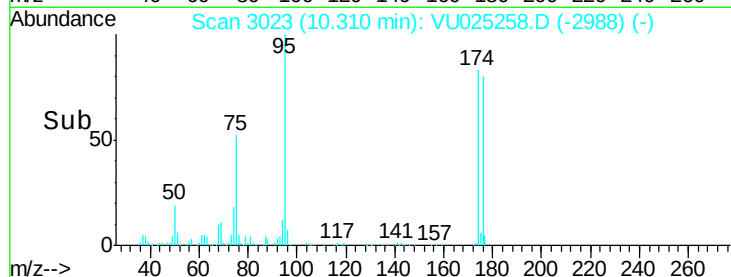
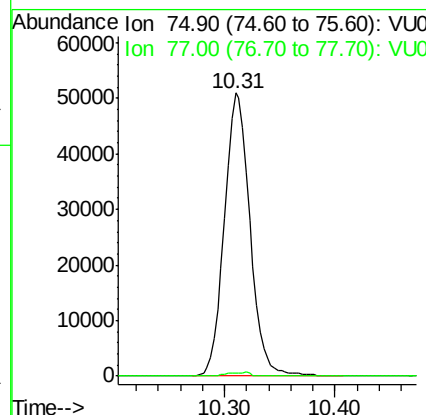
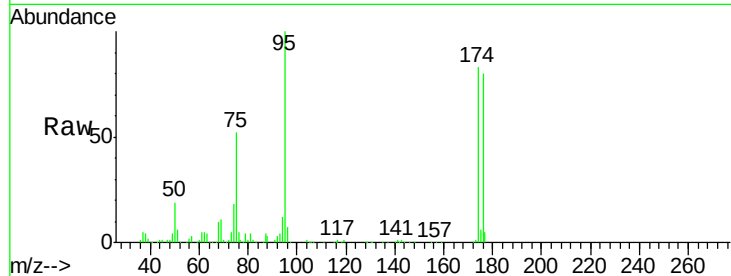




#76
 1,2,3-Trichloropropane
 Concen: 26.166 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025258.D
 Acq: 06 Jul 2018 22:32

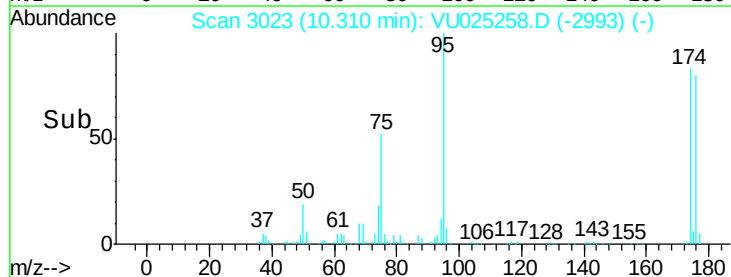
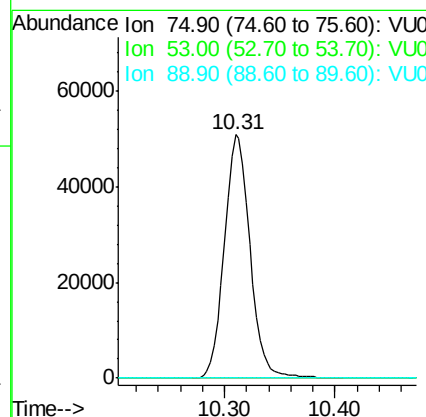
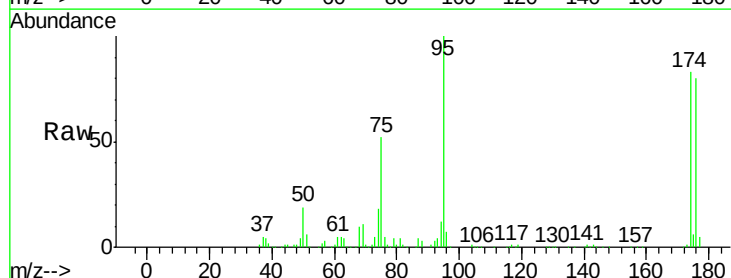
Instrument :
 MSVOA_U
 ClientSampleId :
 S10-0149

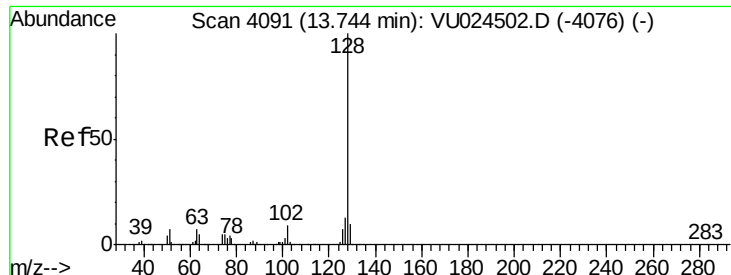
Tot Ion: 75 Resp: 82161
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.558 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025258.D
 Acq: 06 Jul 2018 22:32

Tgt Ion: 75 Resp: 82161
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.1 0.0 0.0#





#95

Naphthalene

Concen: 0.687 ug/l

RT: 13.79 min Scan# 4105

Delta R.T. 0.05 min

Lab File: VU025258.D

Acq: 06 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

S10-0149

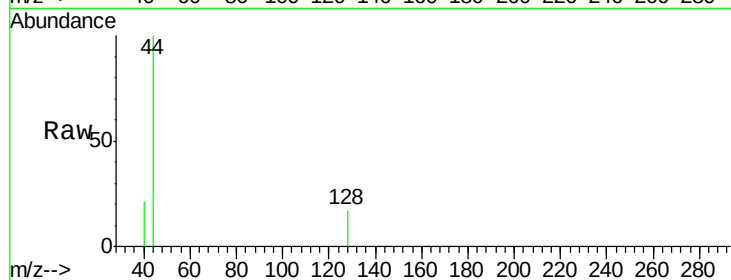
Tot Ion:128 Resp: 84

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

