

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025248.D
 Acq On : 06 Jul 2018 18:29
 Operator : MD/SY
 Sample : J3808-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

Quant Time: Jul 06 23:31:00 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

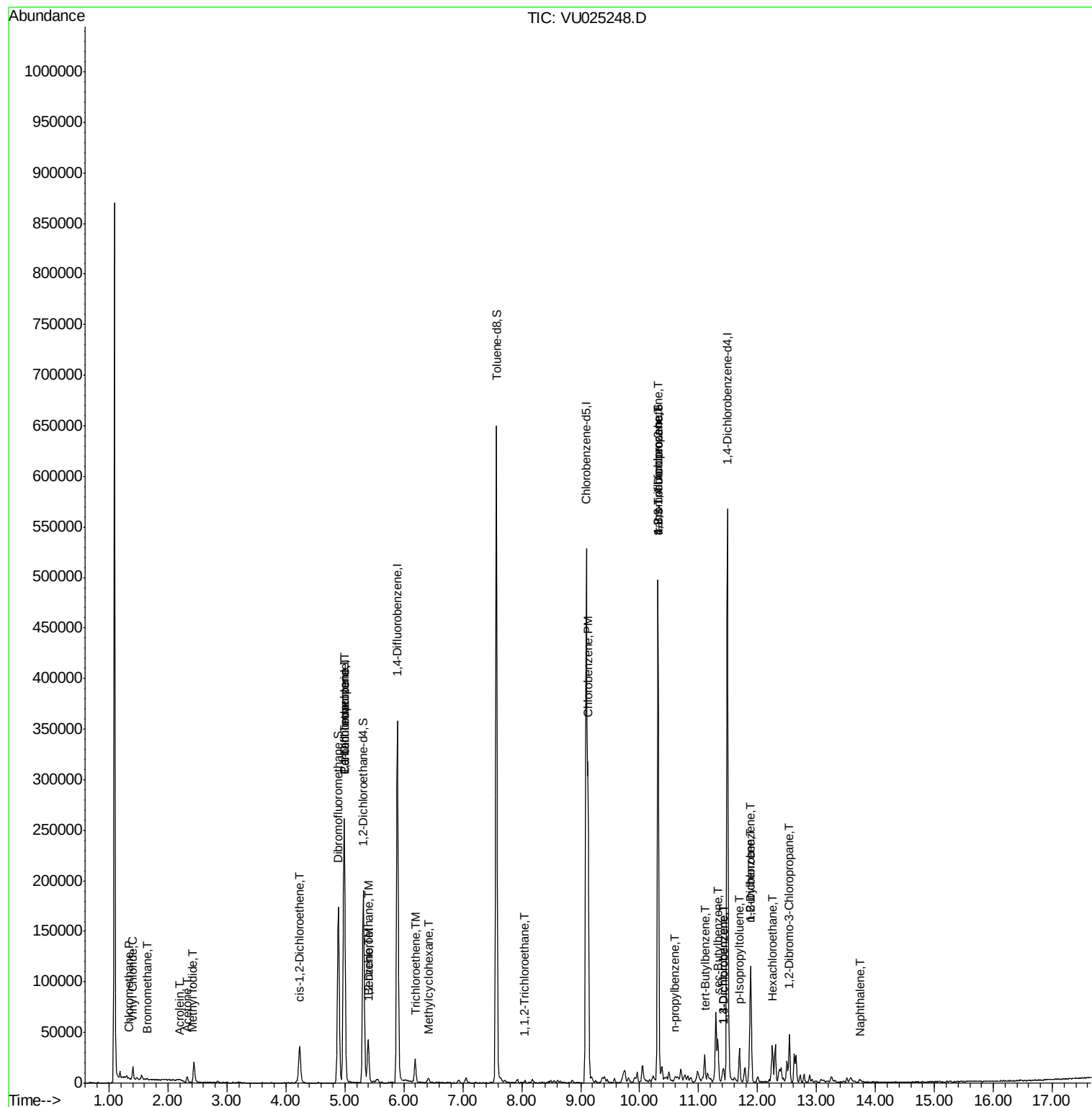
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	204169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	300770	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148398	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	153802	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
35) Dibromofluoromethane	4.89	113	119023	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	7.57	98	435120	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	10.31	95	160515	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1000	0.383	ug/l	100
4) Vinyl Chloride	1.40	62	7163	2.660	ug/l	100
5) Bromomethane	1.64	94	451	0.346	ug/l	95
6) Chloroethane	1.72	64	114	Below Cal	#	43
10) Methyl Iodide	2.41	142	169	5.359	ug/l #	40
13) Acrolein	2.19	56	157	0.369	ug/l #	52
16) Acetone	2.32	43	6441	3.597	ug/l	97
27) cis-1,2-Dichloroethene	4.24	96	20481	6.958	ug/l	89
31) Cyclohexane	4.99	56	4430	Below Cal	#	14
36) 1,1-Dichloropropene	4.99	75	14366	4.065	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19899	5.120	ug/l #	16
39) Methylcyclohexane	6.41	83	1776	0.403	ug/l	95
40) Benzene	5.39	78	40555	4.027	ug/l	98
42) 1,2-Dichloroethane	5.41	62	1103	0.288	ug/l #	77
44) Trichloroethene	6.19	130	7992	2.788	ug/l	96
55) 1,1,2-Trichloroethane	8.05	97	850	0.323	ug/l #	14
65) Chlorobenzene	9.12	112	157823	21.955	ug/l	100
76) 1,2,3-Trichloropropane	10.31	75	85109	26.050	ug/l #	35
78) n-propylbenzene	10.60	91	2765	0.206	ug/l	91
81) trans-1,4-Dichloro-2-buten	10.31	75	85109	60.290	ug/l #	100
83) tert-Butylbenzene	11.10	119	11642	1.226	ug/l	87
85) sec-Butylbenzene	11.33	105	25654	2.158	ug/l	97
86) p-Isopropyltoluene	11.69	119	19133	1.797	ug/l	96
87) 1,3-Dichlorobenzene	11.43	146	4639	0.871	ug/l	93
88) 1,4-Dichlorobenzene	11.43	146	4639	0.865	ug/l	93
89) n-Butylbenzene	11.90	91	2615	0.277	ug/l	81
90) Hexachloroethane	12.26	117	2097	1.009	ug/l #	8
91) 1,2-Dichlorobenzene	11.89	146	45296	8.486	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.53	75	394	0.374	ug/l #	3
95) Naphthalene	13.75	128	1689	0.832	ug/l #	75

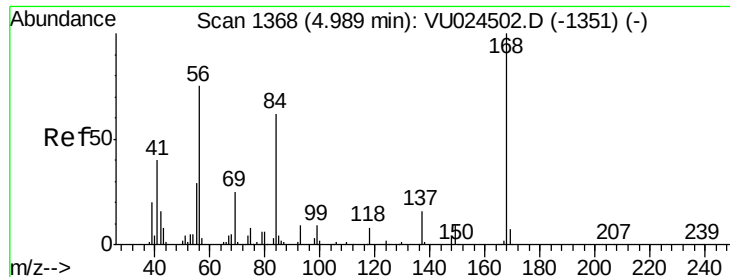
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

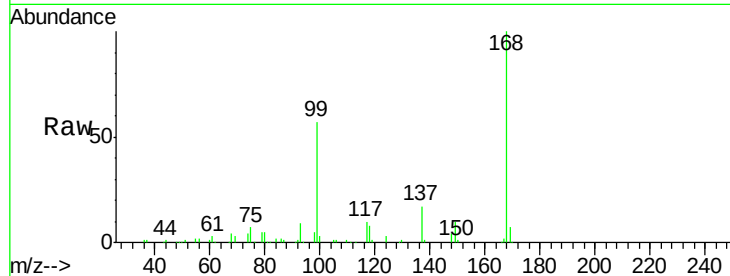
DUP-0472-180628

Tot Ion:168 Resp: 204169

Ion Ratio Lower Upper

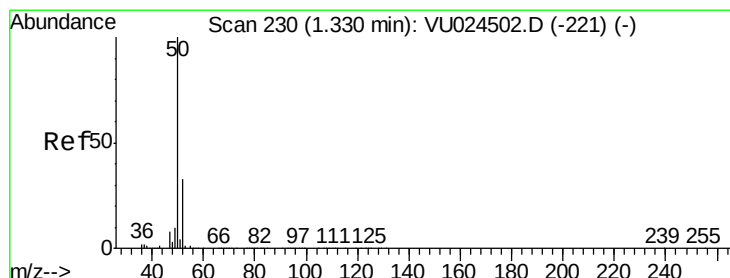
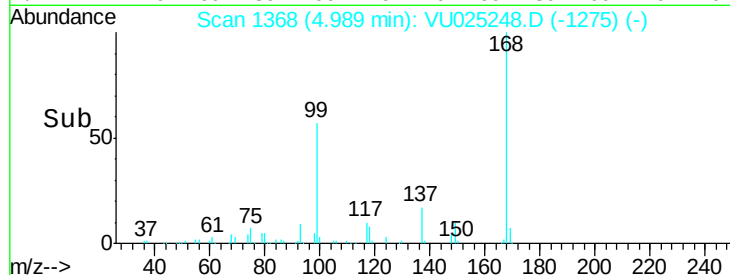
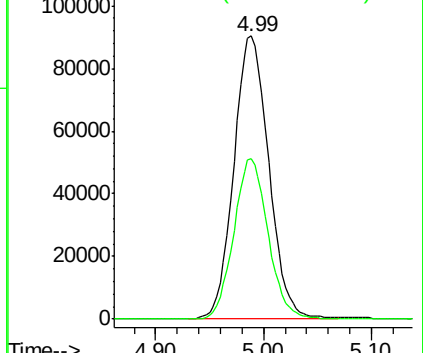
168 100

99 56.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#3

Chloromethane

Concen: 0.383 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025248.D

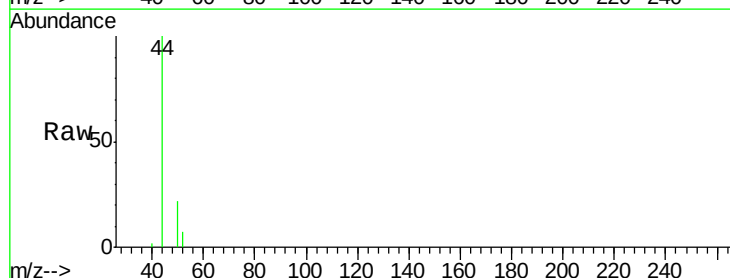
Acq: 06 Jul 2018 18:29

Tgt Ion: 50 Resp: 1000

Ion Ratio Lower Upper

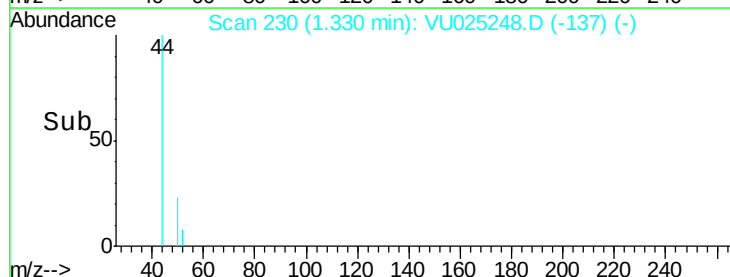
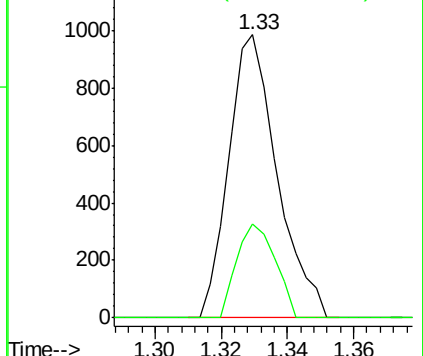
50 100

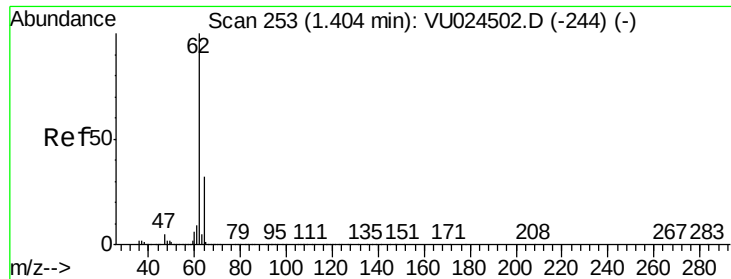
52 33.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0





#4

Vinyl Chloride

Concen: 2.660 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

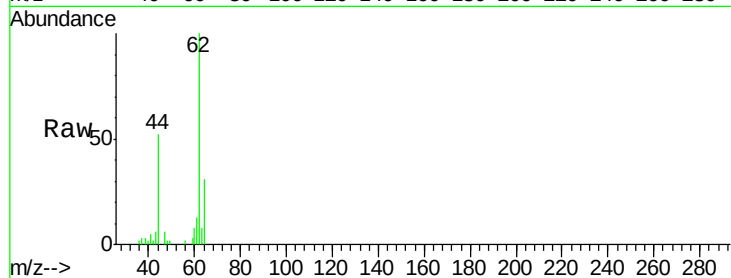
DUP-0472-180628

Tot Ion: 62 Resp: 7163

Ion Ratio Lower Upper

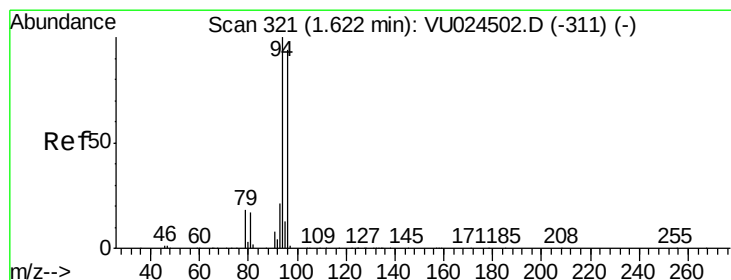
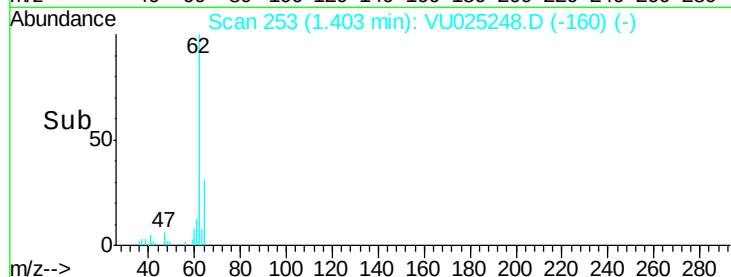
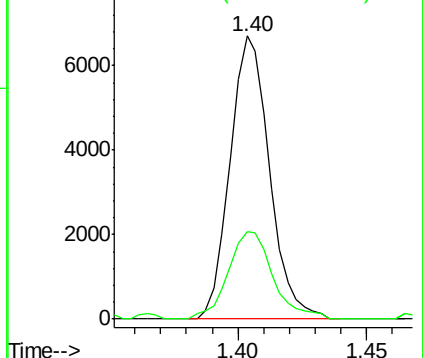
62 100

64 30.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.346 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025248.D

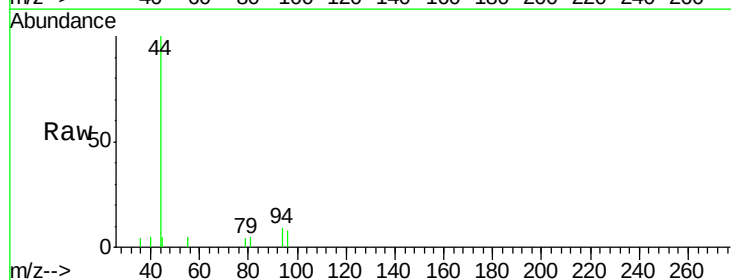
Acq: 06 Jul 2018 18:29

Tgt Ion: 94 Resp: 451

Ion Ratio Lower Upper

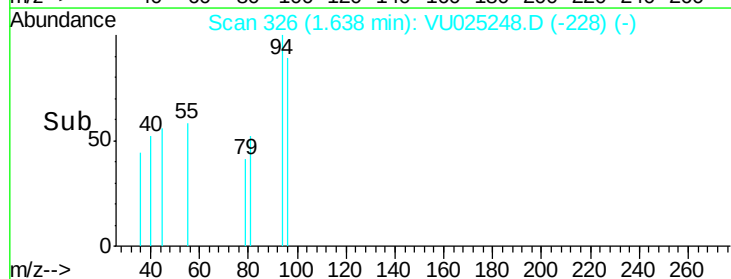
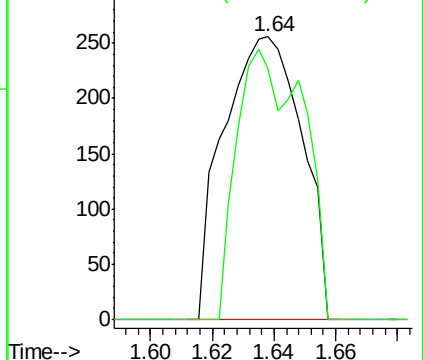
94 100

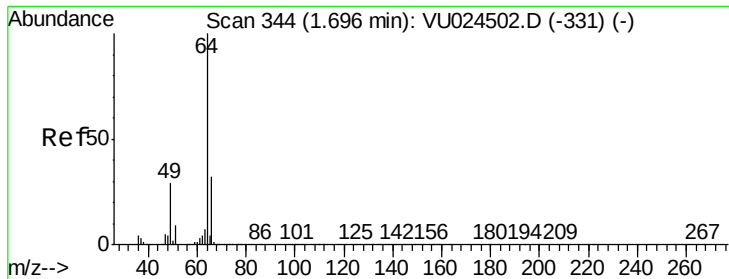
96 88.7 74.5 111.7



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: 1.72 min Scan# 351

Delta R.T. 0.02 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

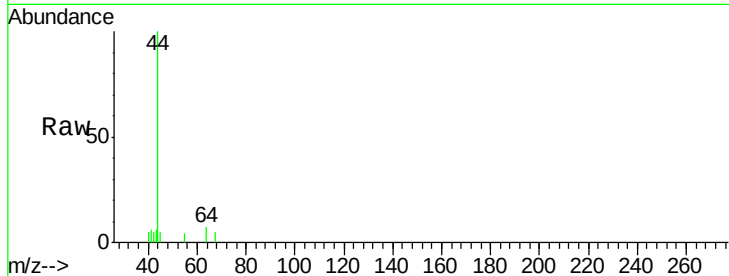
DUP-0472-180628

Tot Ion: 64 Resp: 114

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

1.72

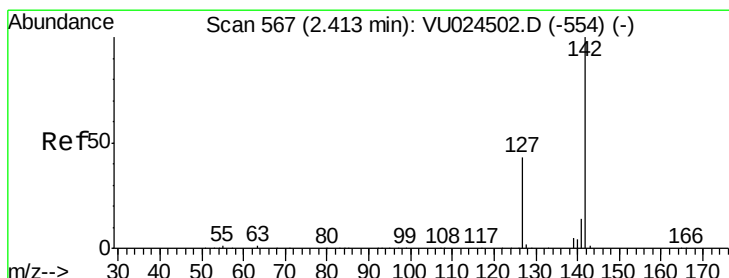
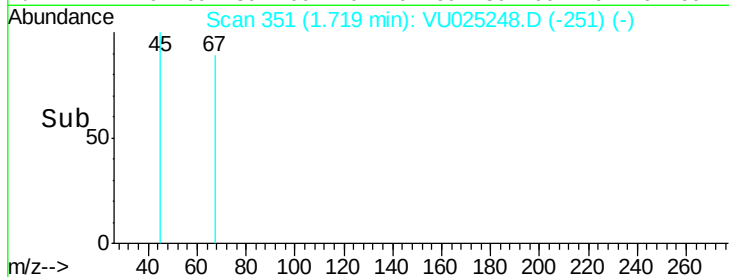
150

100

50

0

Time--> 1.70 1.71 1.72 1.73



#10

Methyl Iodide

Concen: 5.359 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

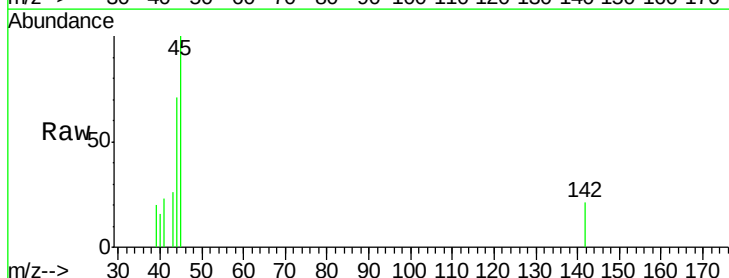
Tgt Ion: 142 Resp: 169

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

2.41

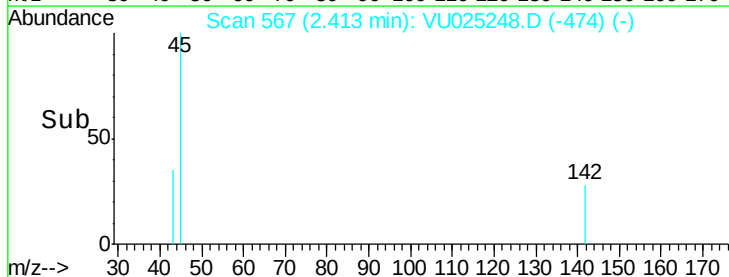
150

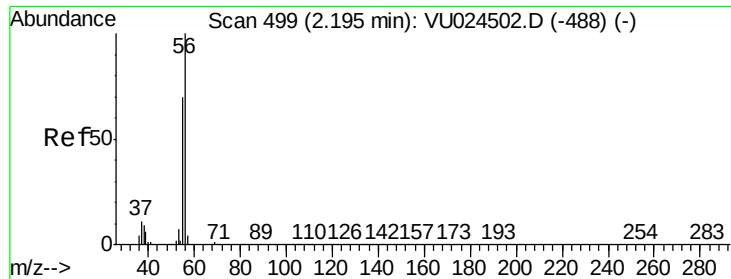
100

50

0

Time--> 2.40 2.42 2.44

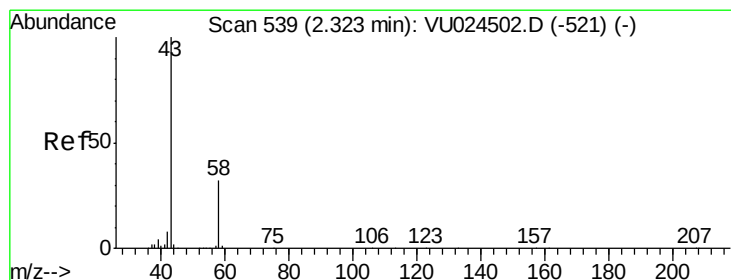
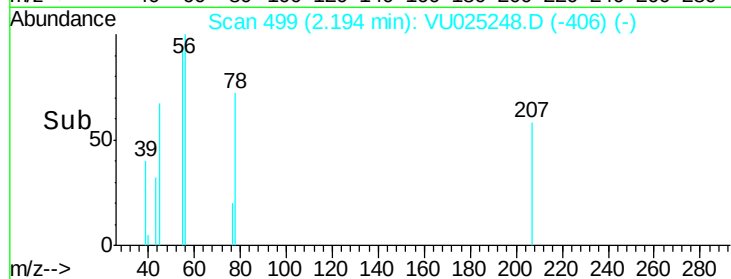
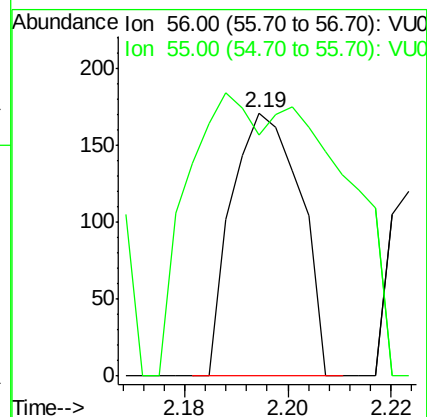
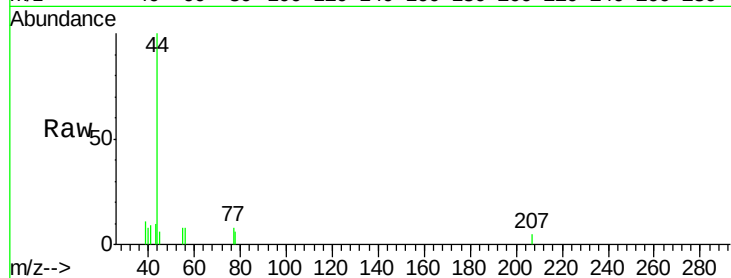




#13
Acrolein
Concen: 0.369 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

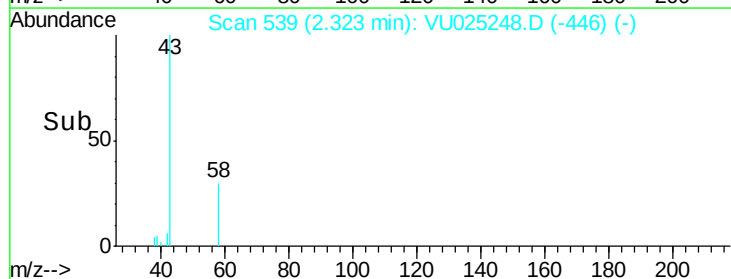
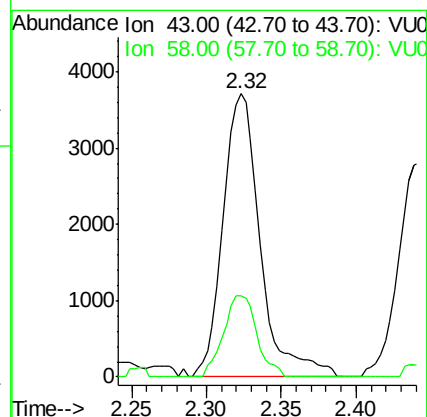
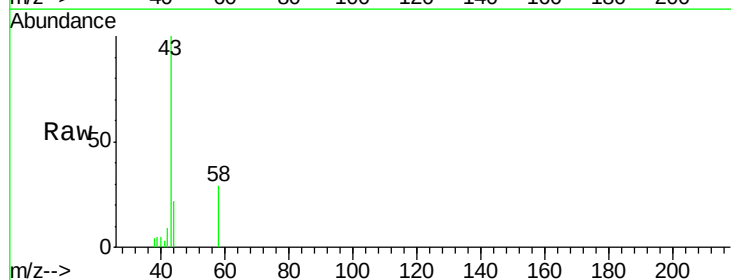
Instrument :
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ClientSampleId :
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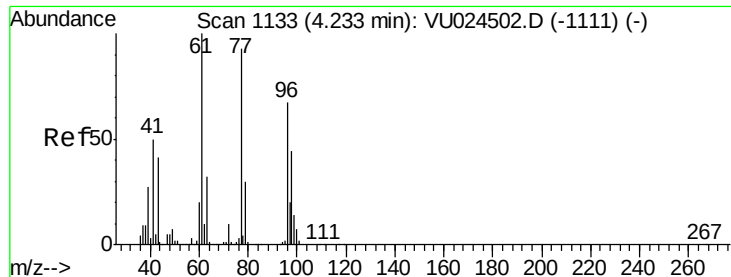
Tot Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 113.4 58.4 87.6#



#16
Acetone
Concen: 3.597 ug/l
RT: 2.32 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

Tgt Ion: 43 Resp: 6441
Ion Ratio Lower Upper
43 100
58 28.7 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 6.958 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-0472-180628

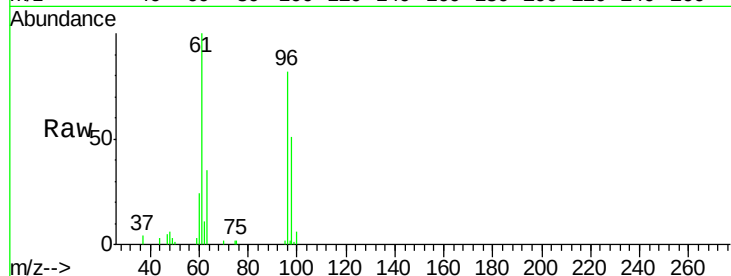
Tot Ion: 96 Resp: 20481

Ion Ratio Lower Upper

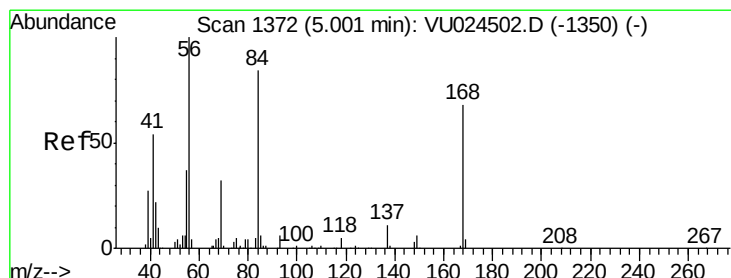
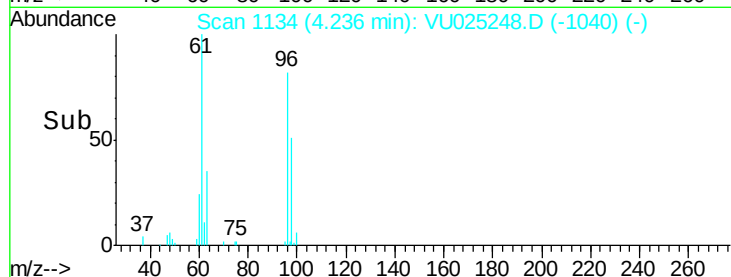
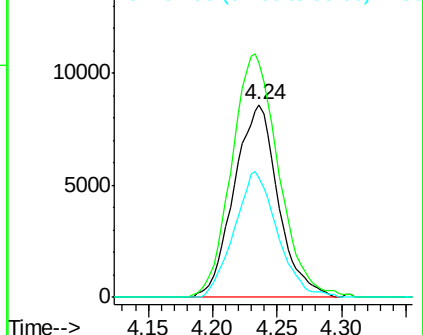
96 100

61 134.4 0.0 306.6

98 63.6 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

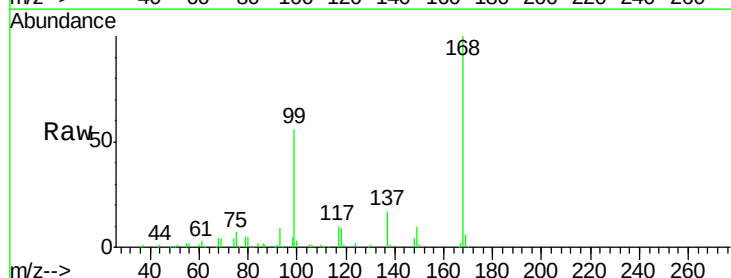
Tgt Ion: 56 Resp: 4430

Ion Ratio Lower Upper

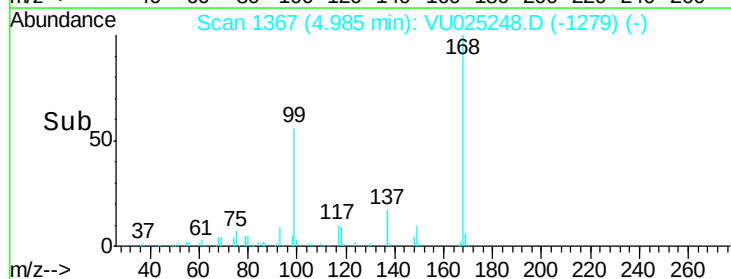
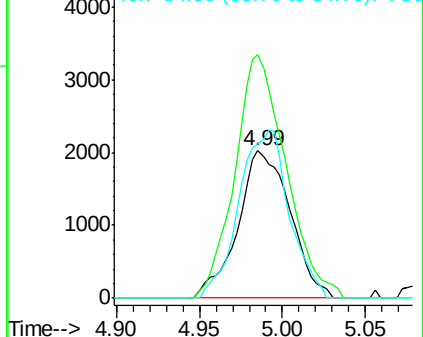
56 100

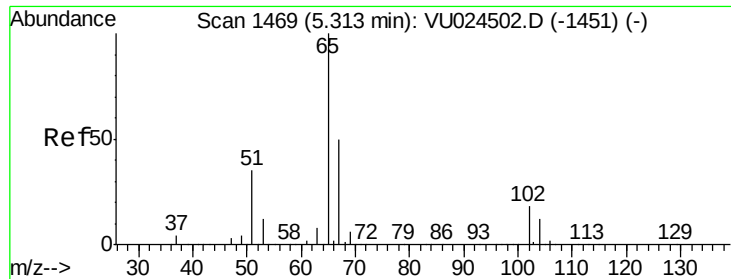
69 165.4 24.8 37.2#

84 104.6 65.2 97.8#



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

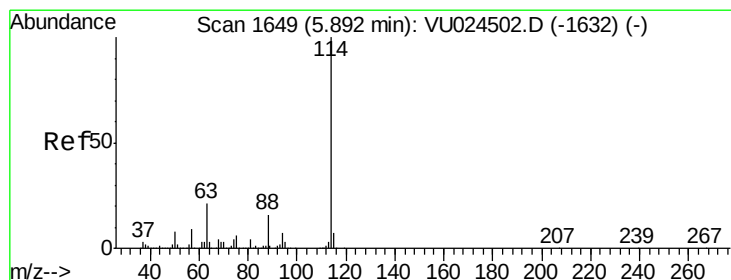
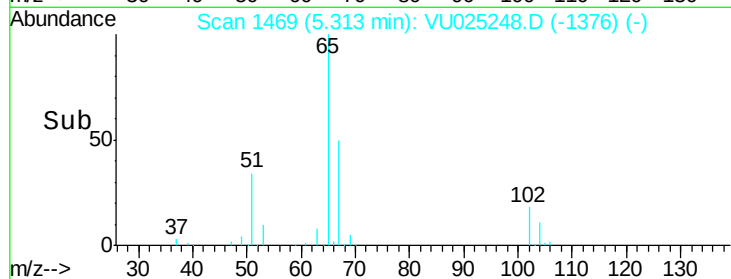
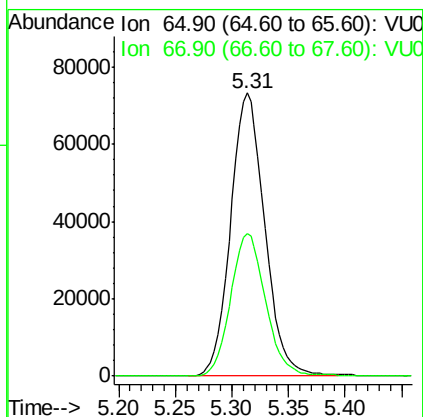
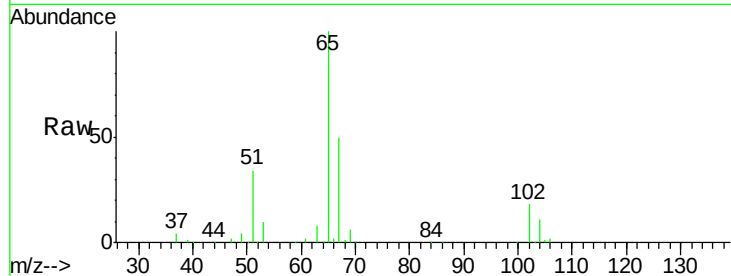




#33
 1,2-Dichloroethane-d4
 Concen: 46.144 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

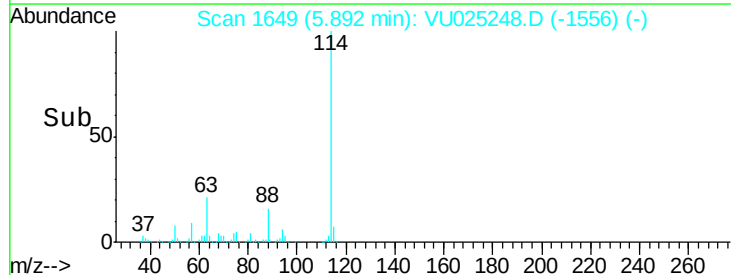
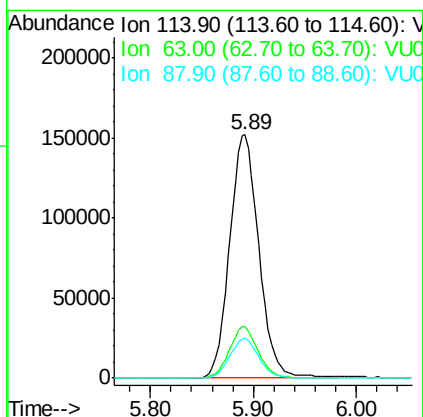
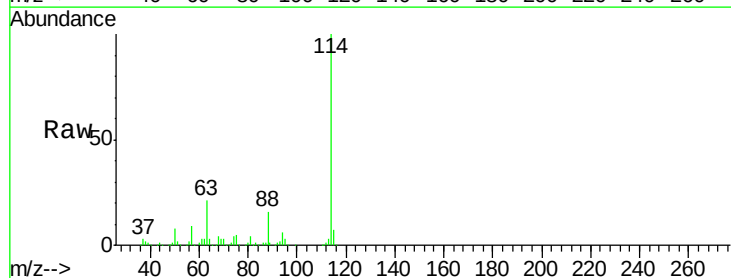
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

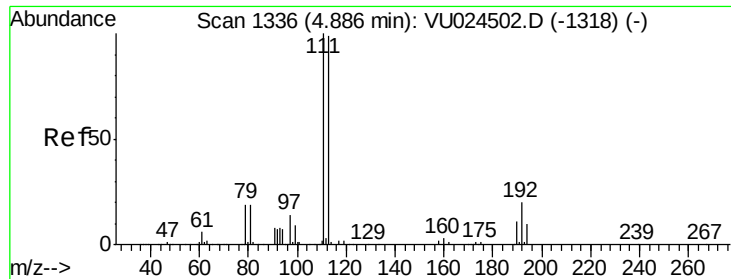
Tot Ion: 65 Resp: 153802
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

Tgt Ion: 114 Resp: 300770
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.3 0.0 31.0

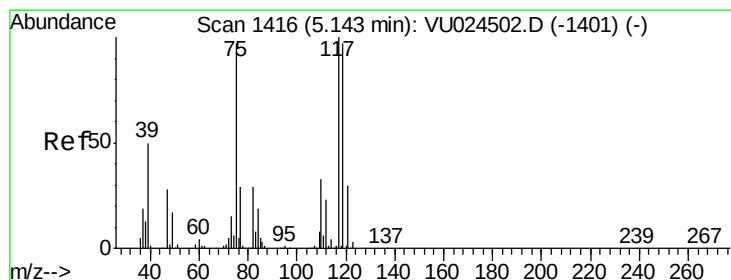
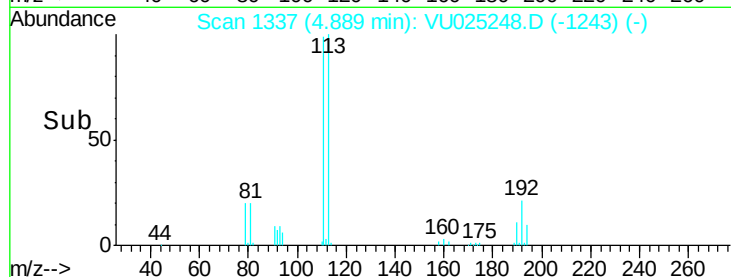
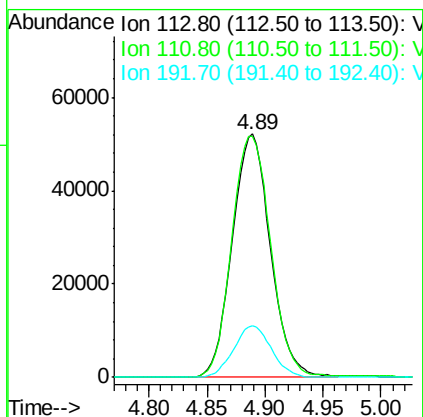
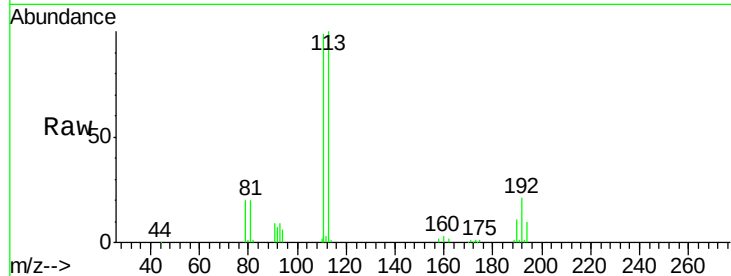




#35
 Dibromofluoromethane
 Concen: 47.682 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

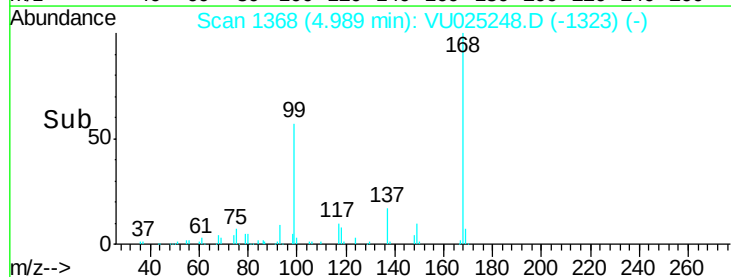
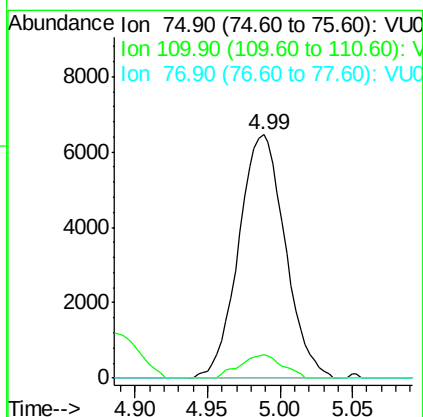
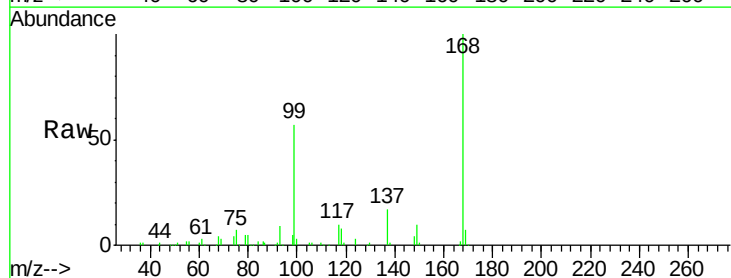
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

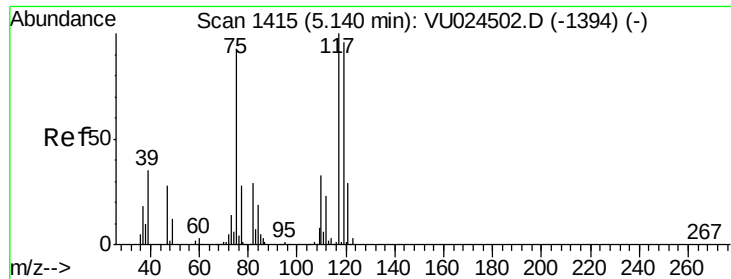
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.2	123.4
192	21.0	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.065 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.120 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-0472-180628

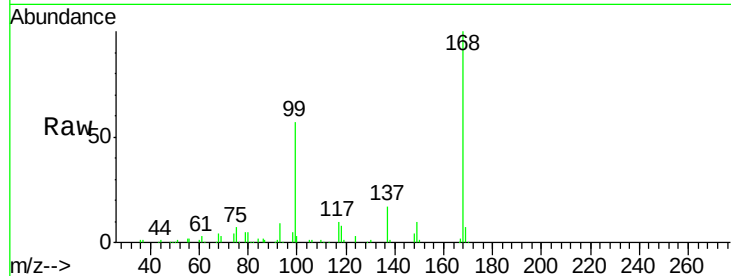
Tot Ion:117 Resp: 19899

Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

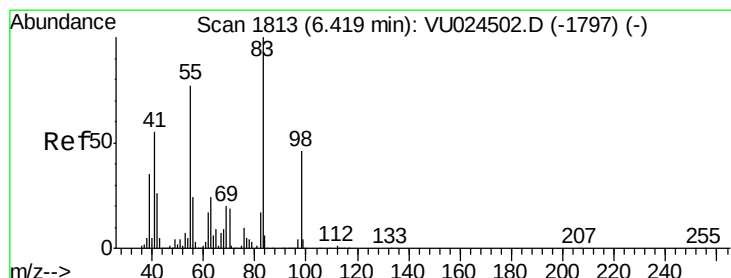
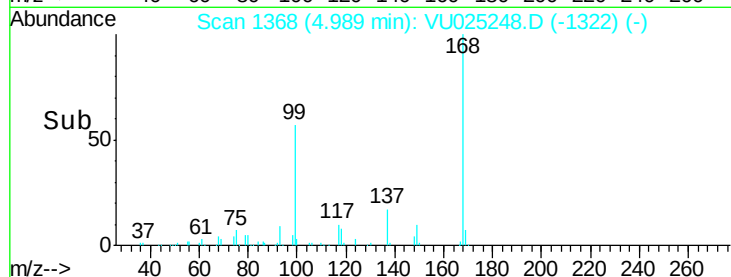
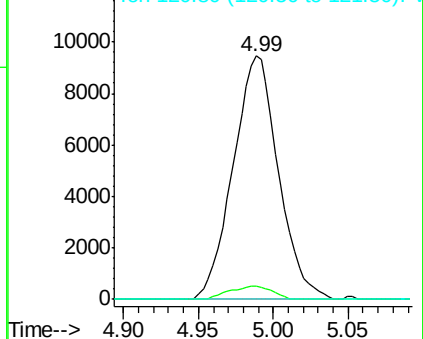
121 0.0 23.7 35.5#



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: 0.403 ug/l

RT: 6.41 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

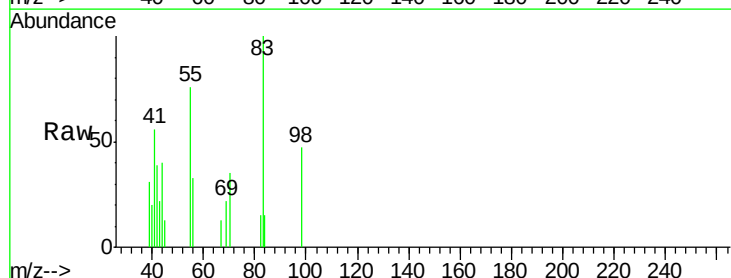
Tgt Ion: 83 Resp: 1776

Ion Ratio Lower Upper

83 100

55 76.2 65.8 98.6

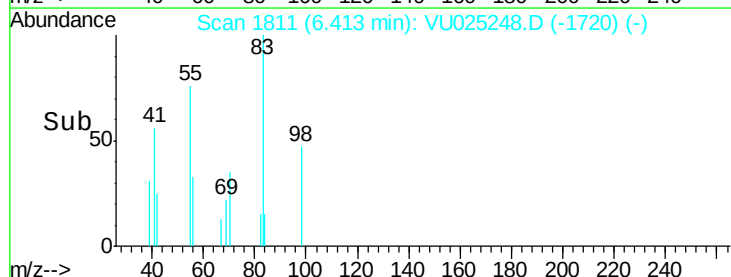
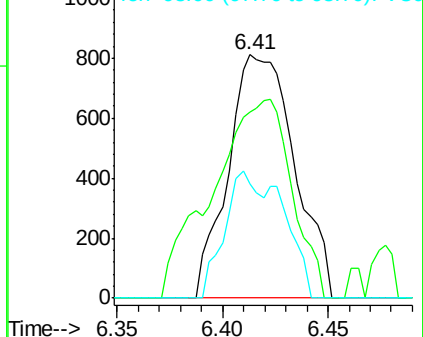
98 47.2 36.7 55.1

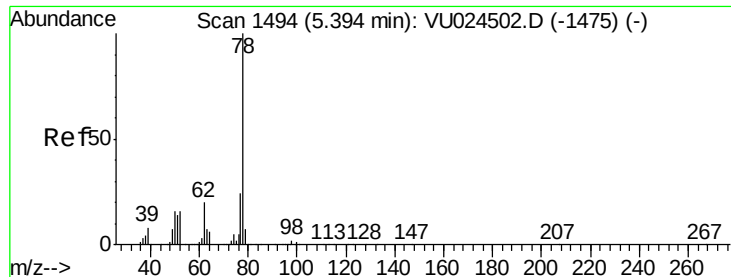


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 4.027 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

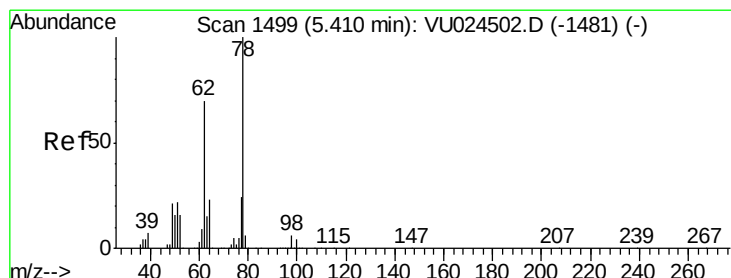
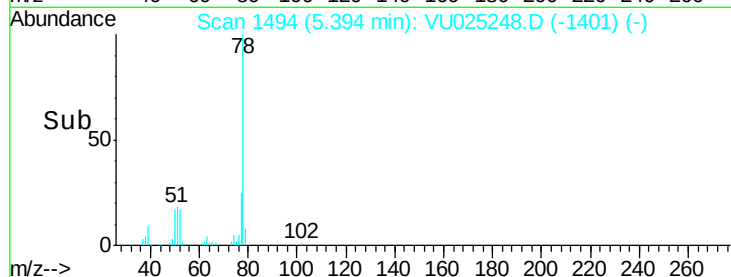
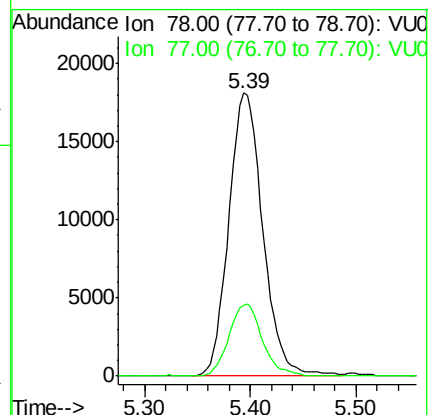
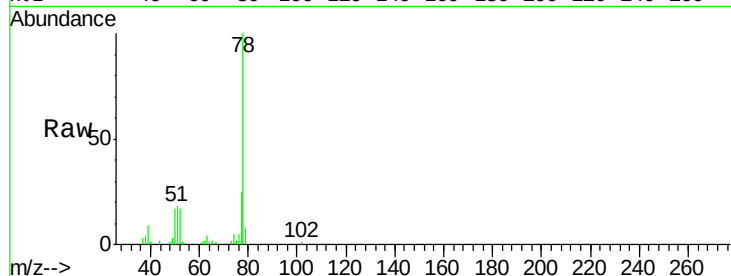
DUP-0472-180628

Tot Ion: 78 Resp: 40555

Ion Ratio Lower Upper

78 100

77 25.0 19.2 28.8



#42

1,2-Dichloroethane

Concen: 0.288 ug/l

RT: 5.41 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VU025248.D

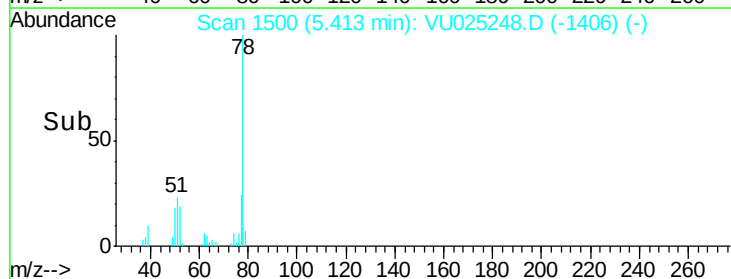
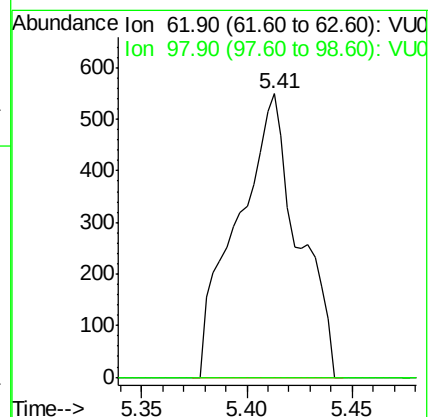
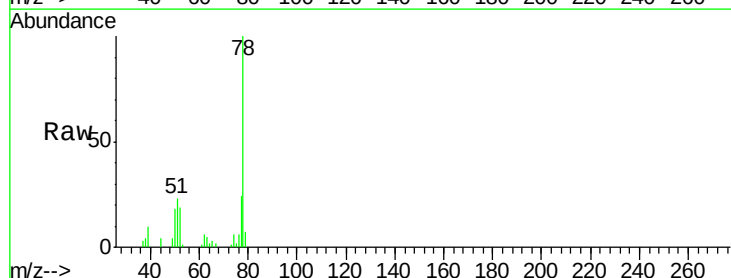
Acq: 06 Jul 2018 18:29

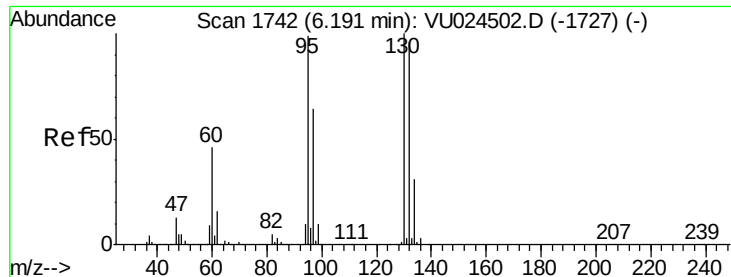
Tgt Ion: 62 Resp: 1103

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6





#44

Trichloroethene

Concen: 2.788 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

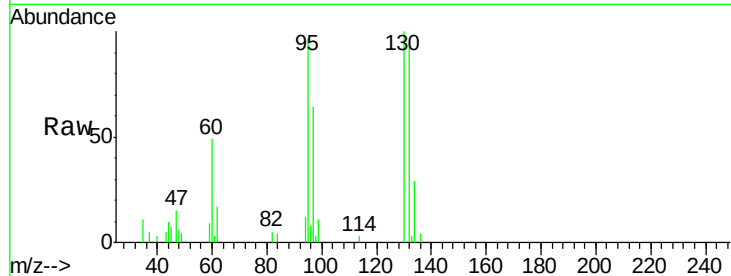
DUP-0472-180628

Tot Ion:130 Resp: 7992

Ion Ratio Lower Upper

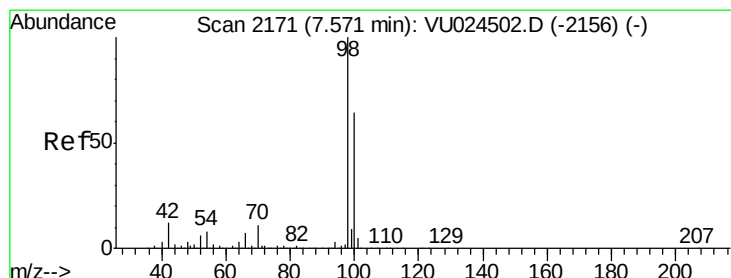
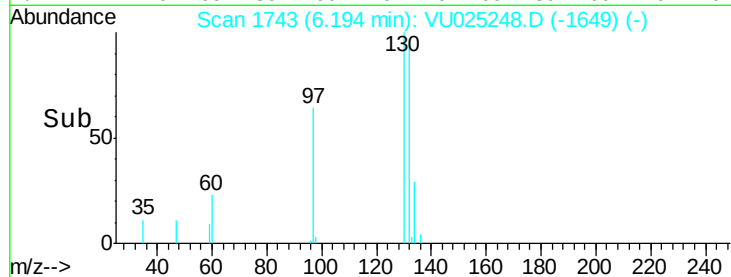
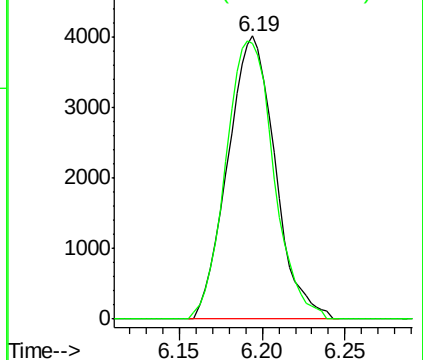
130 100

95 97.3 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 47.789 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025248.D

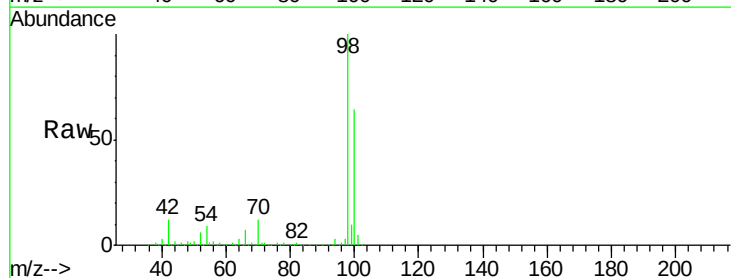
Acq: 06 Jul 2018 18:29

Tgt Ion: 98 Resp: 435120

Ion Ratio Lower Upper

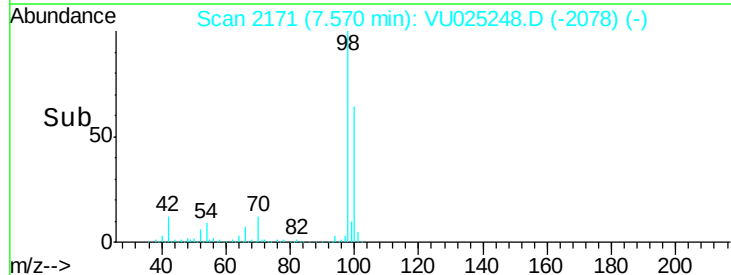
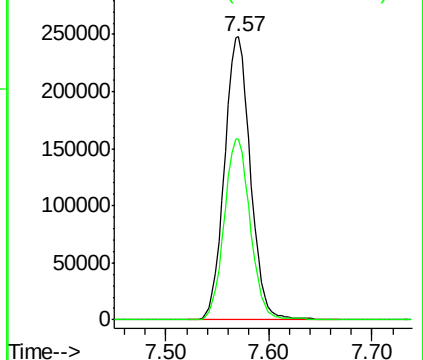
98 100

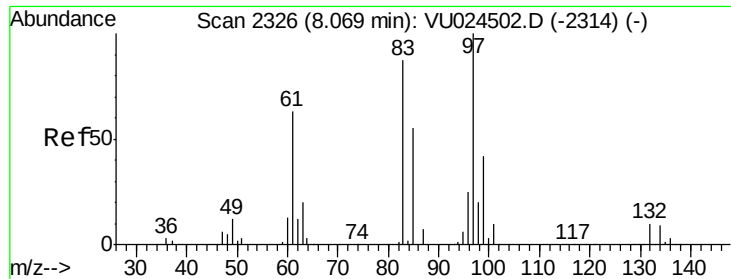
100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

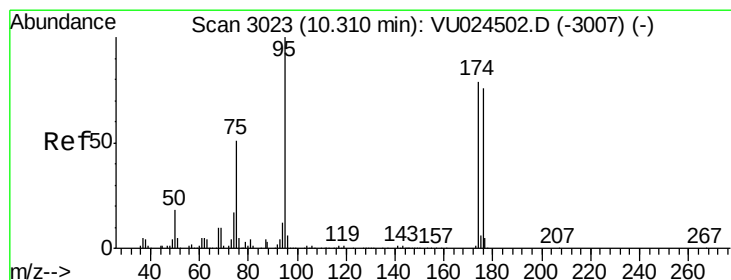
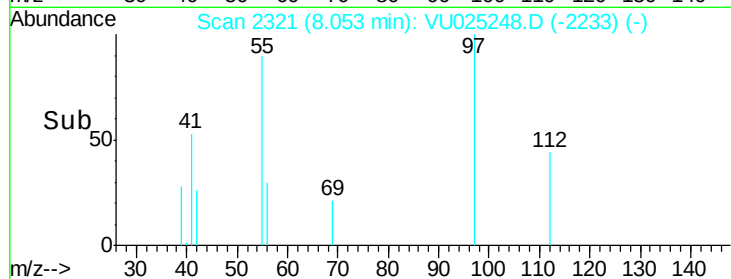
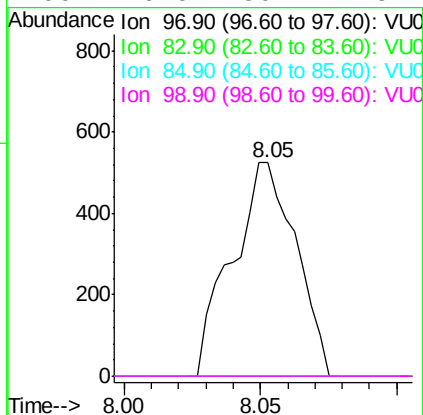
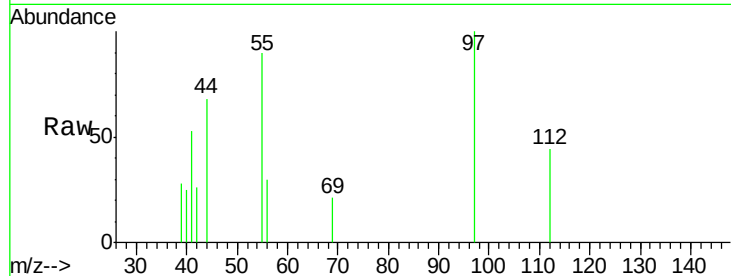




#55
 1,1,2-Trichloroethane
 Concen: 0.323 ug/l
 RT: 8.05 min Scan# 2321
 Delta R.T. -0.02 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

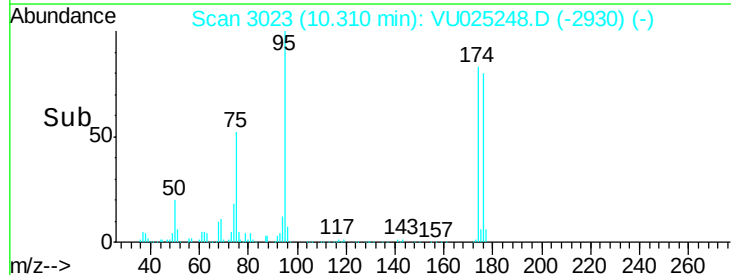
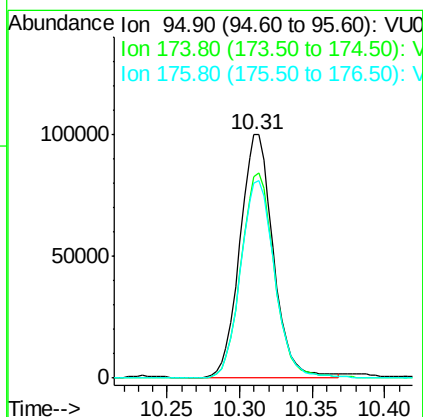
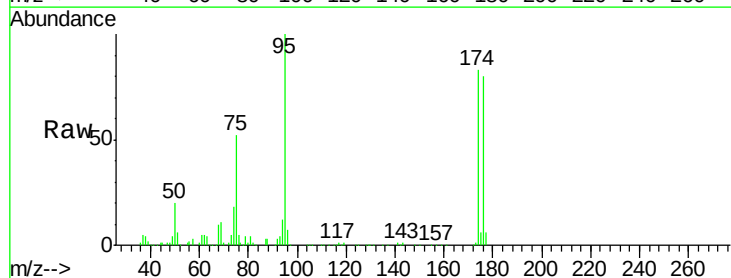
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

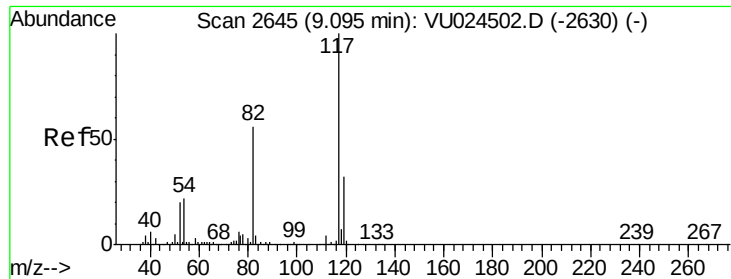
Tot Ion: 97 Resp: 850
 Ion Ratio Lower Upper
 97 100
 83 0.0 70.5 105.7#
 85 0.0 46.4 69.6#
 99 0.0 50.2 75.2#



#62
 4-Bromofluorobenzene
 Concen: 44.402 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

Tgt Ion: 95 Resp: 160515
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 165.8
 176 82.7 0.0 159.4

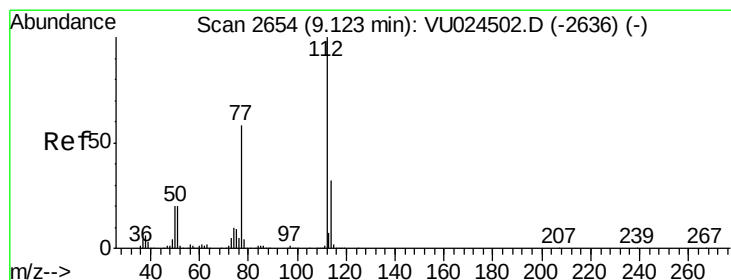
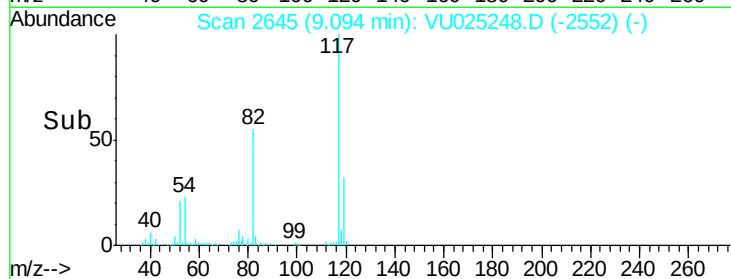
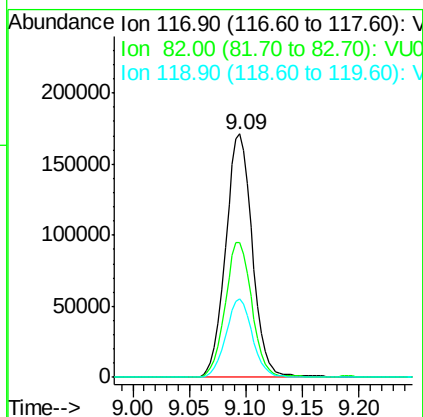
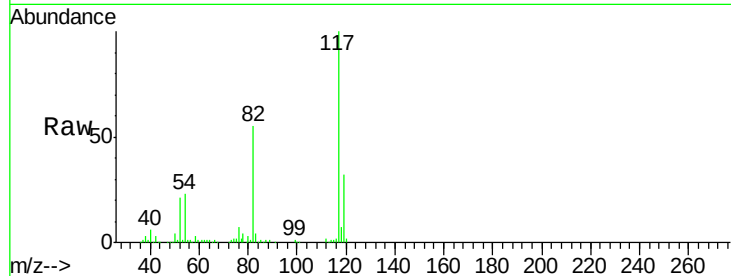




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

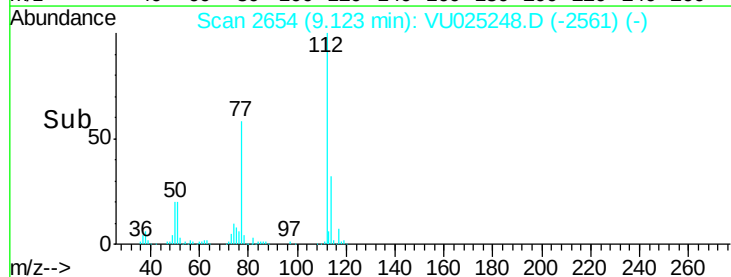
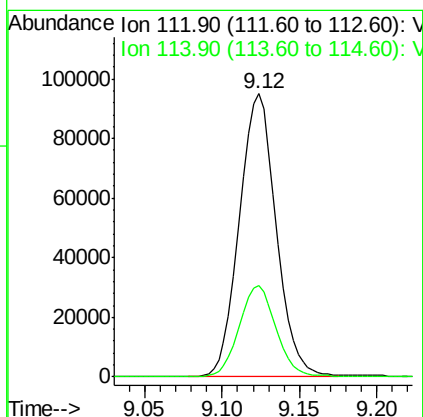
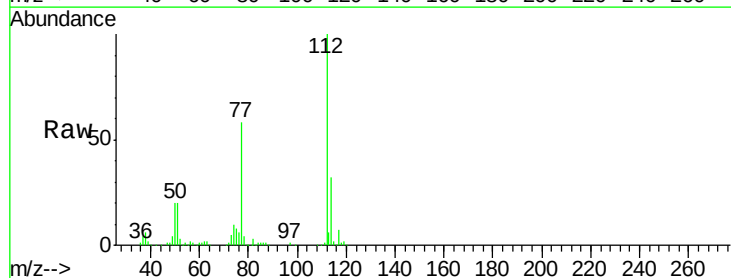
Instrument :
MSVOA_U
ClientSampleId :
DUP-0472-180628

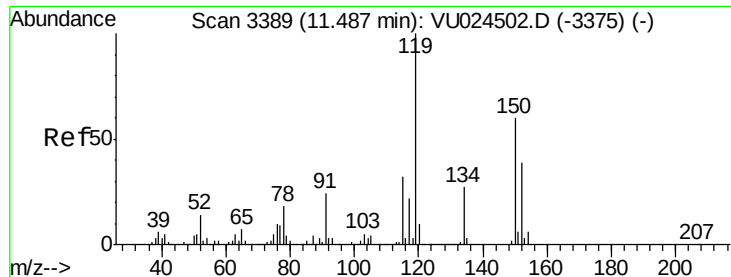
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	32.0	25.4	38.2



#65
Chlorobenzene
Concen: 21.955 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-0472-180628

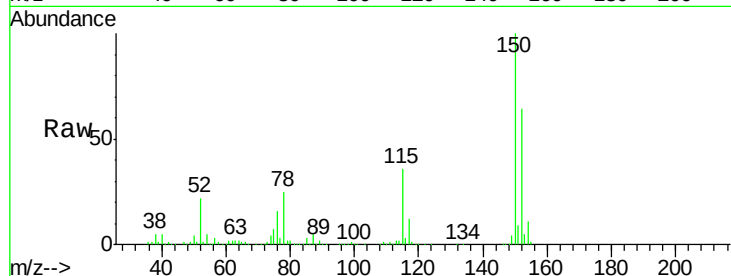
Tot Ion:152 Resp: 148398

Ion Ratio Lower Upper

152 100

115 56.1 43.0 129.0

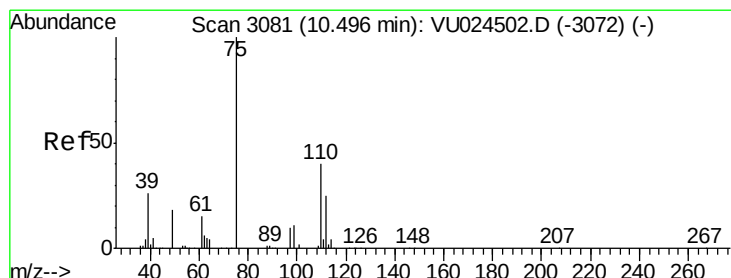
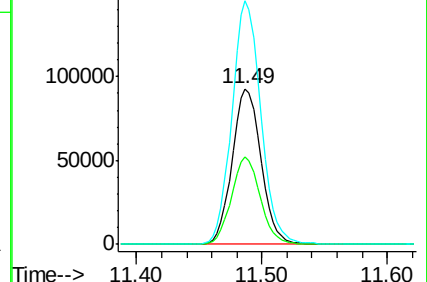
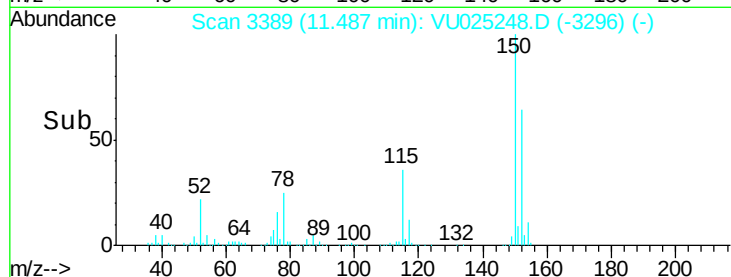
150 156.9 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.050 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025248.D

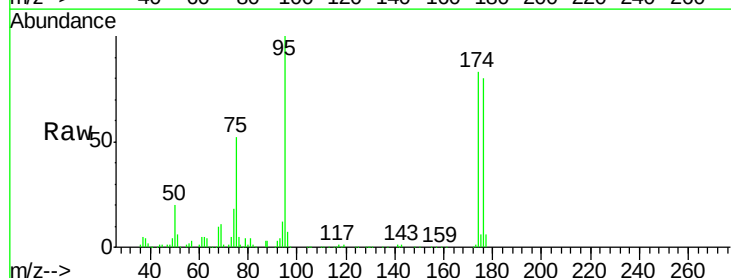
Acq: 06 Jul 2018 18:29

Tgt Ion: 75 Resp: 85109

Ion Ratio Lower Upper

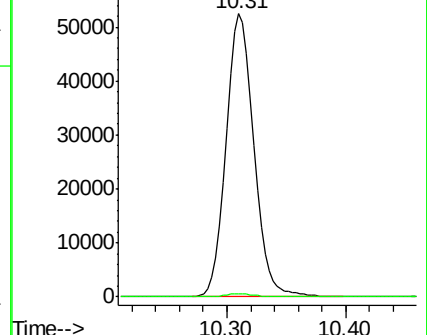
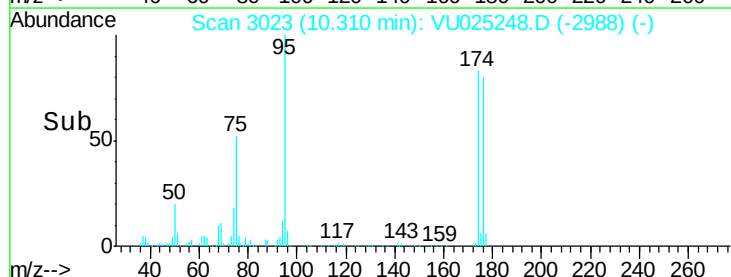
75 100

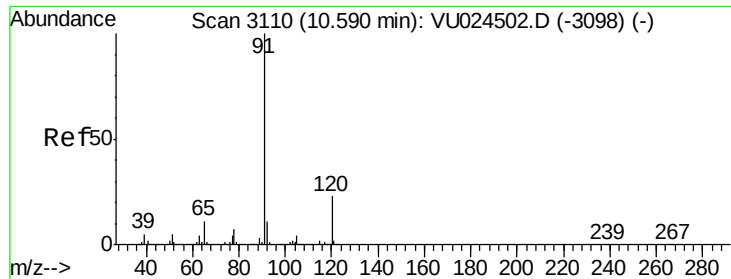
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 0.206 ug/l

RT: 10.60 min Scan# 3112

Delta R.T. 0.01 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

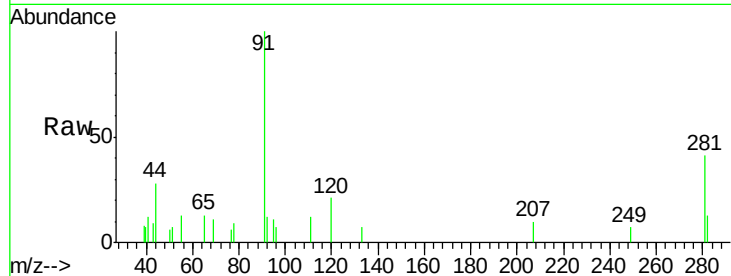
DUP-0472-180628

Tot Ion: 91 Resp: 2765

Ion Ratio Lower Upper

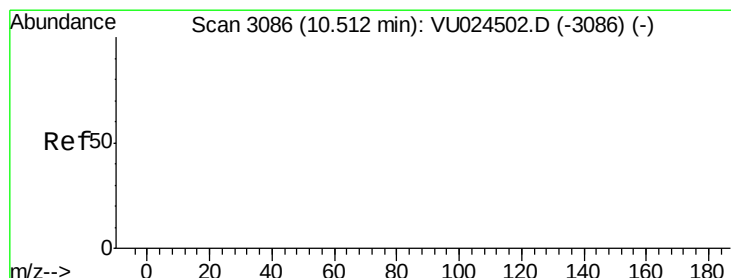
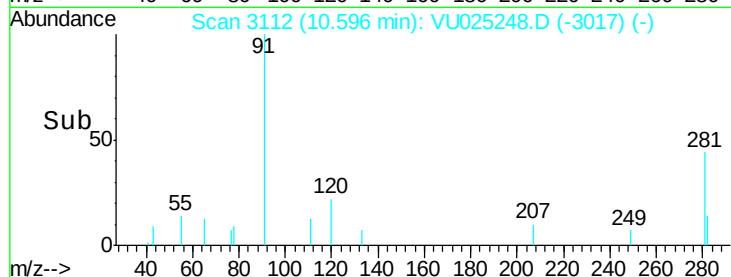
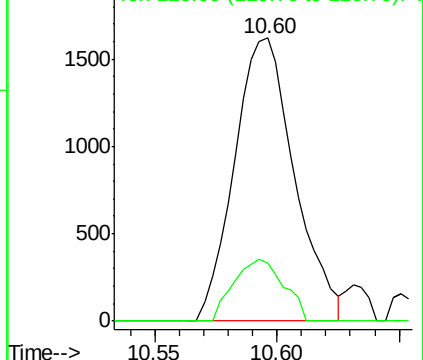
91 100

120 18.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 60.290 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

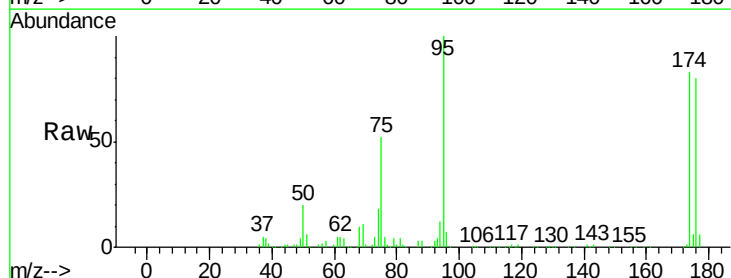
Tgt Ion: 75 Resp: 85109

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

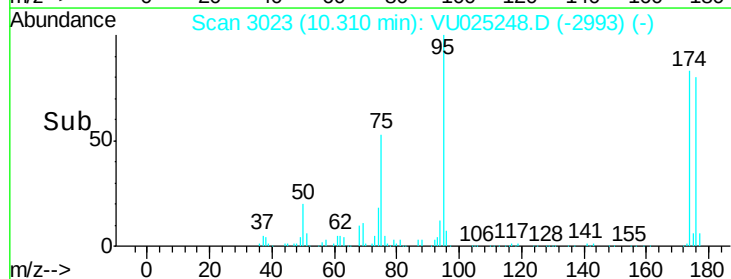
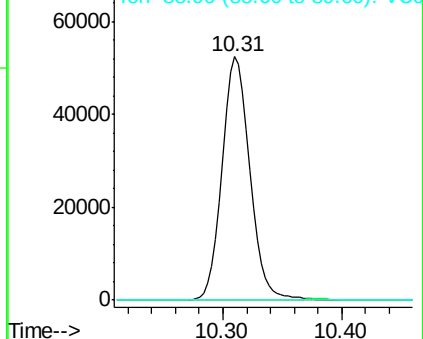
89 0.0 0.0 0.0

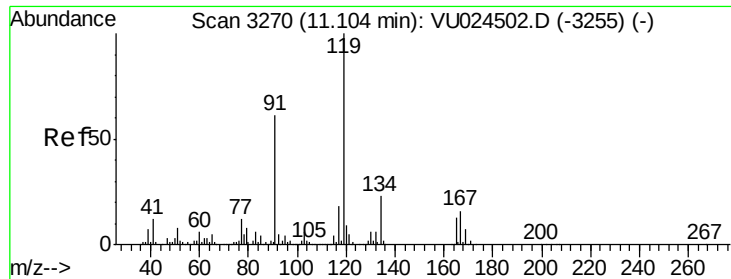


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#83

tert-Butylbenzene

Concen: 1.226 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-0472-180628

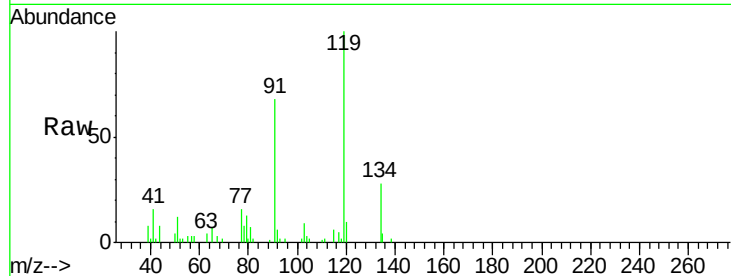
Tot Ion:119 Resp: 11642

Ion Ratio Lower Upper

119 100

91 71.0 29.7 89.1

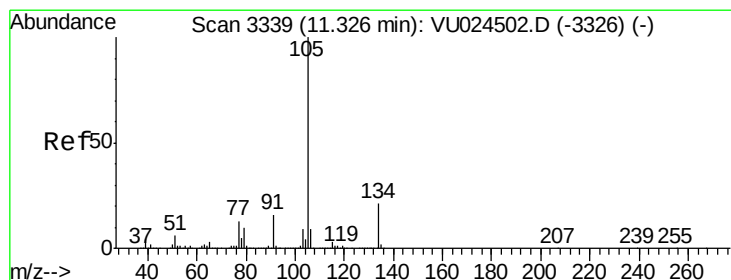
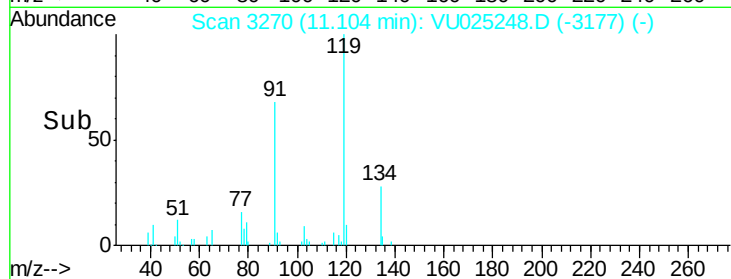
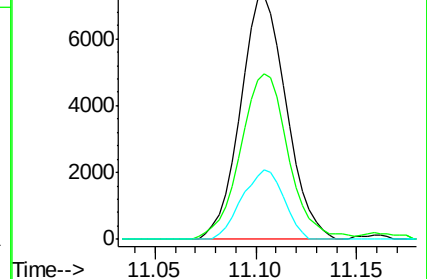
134 26.0 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 2.158 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025248.D

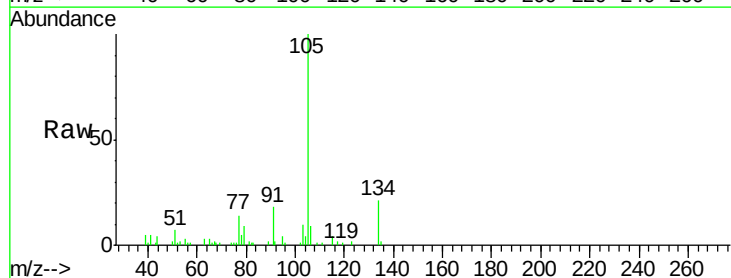
Acq: 06 Jul 2018 18:29

Tgt Ion:105 Resp: 25654

Ion Ratio Lower Upper

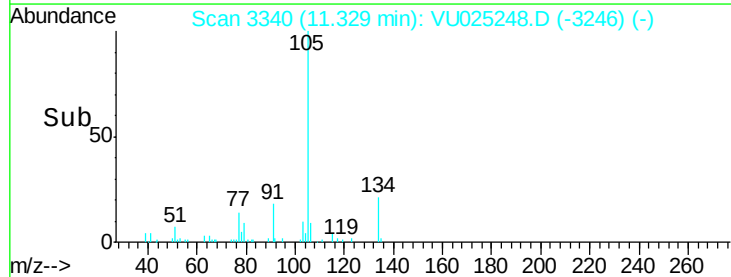
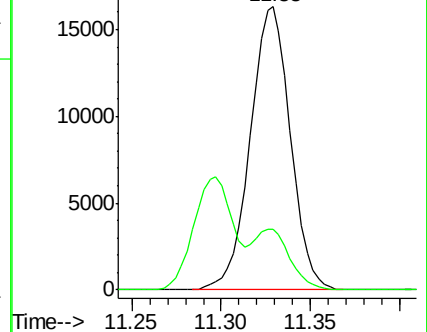
105 100

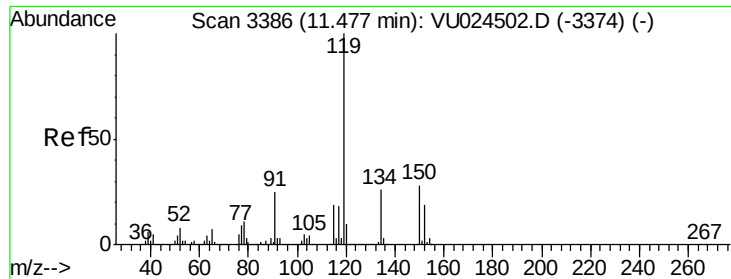
134 18.0 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

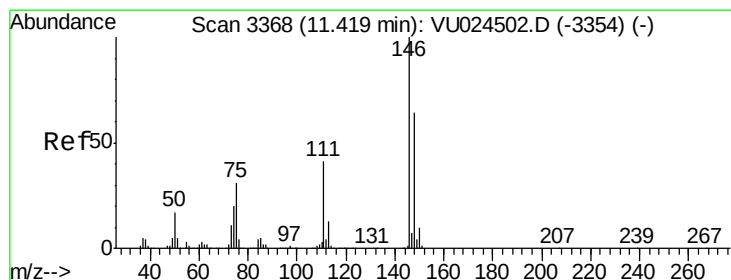
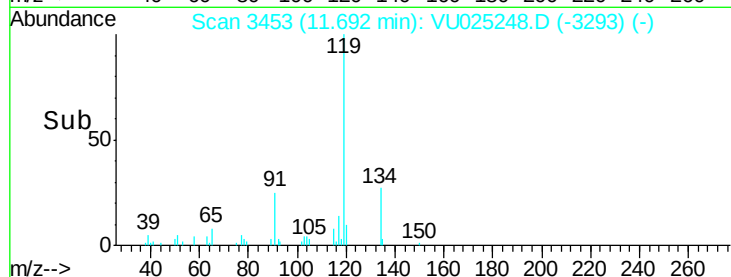
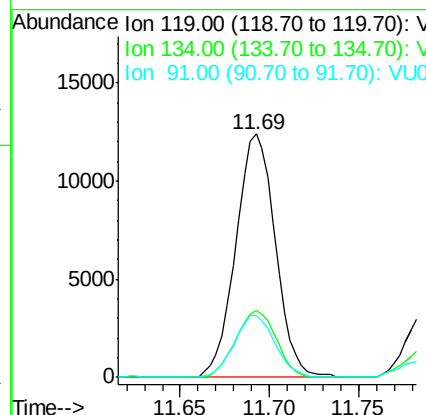
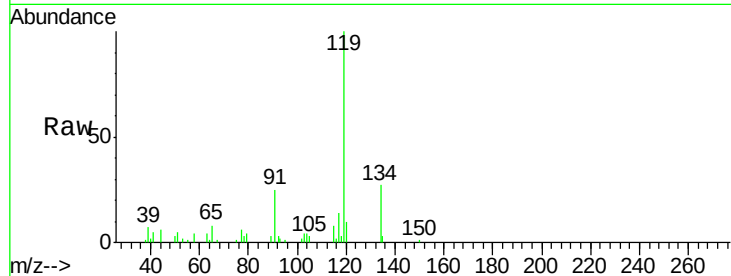




#86
 p-Isopropyltoluene
 Concen: 1.797 ug/l
 RT: 11.69 min Scan# 3453
 Delta R.T. 0.22 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

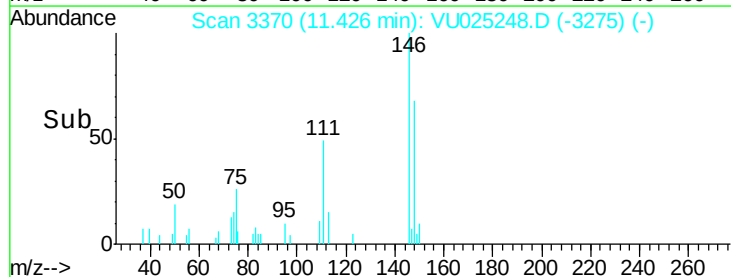
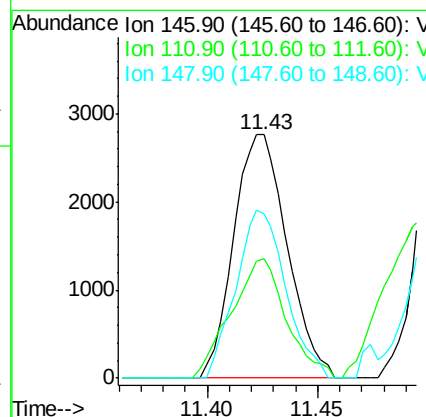
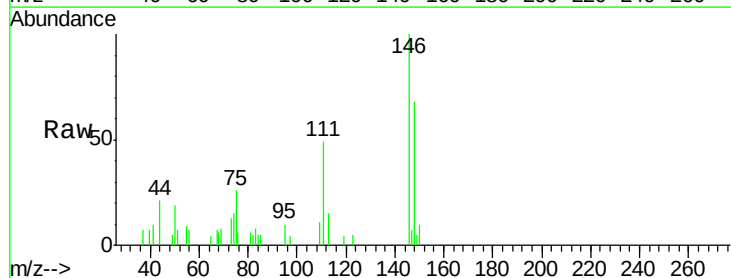
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

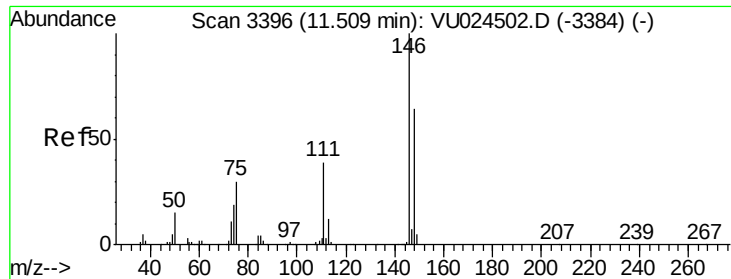
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.8	12.9	38.6
91	26.2	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 0.871 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.5	20.0	60.0
148	64.3	32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 0.865 ug/l

RT: 11.43 min Scan# 3370

Delta R.T. -0.08 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-0472-180628

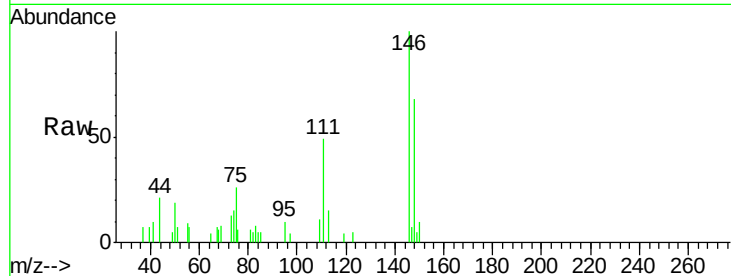
Tot Ion:146 Resp: 4639

Ion Ratio Lower Upper

146 100

111 50.5 19.5 58.5

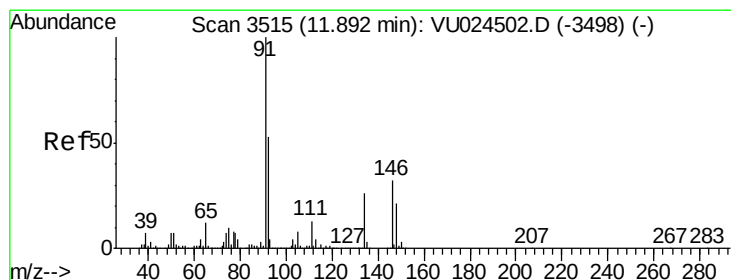
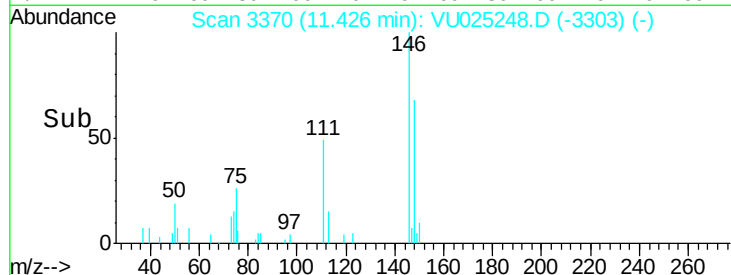
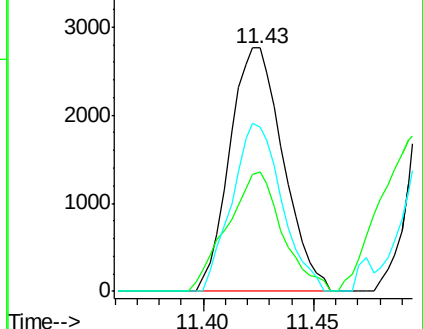
148 64.3 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.277 ug/l

RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

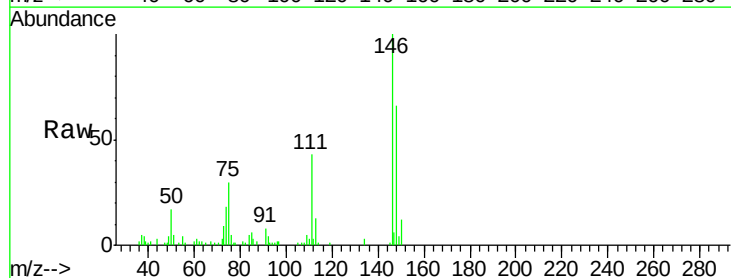
Tgt Ion: 91 Resp: 2615

Ion Ratio Lower Upper

91 100

92 38.3 25.6 76.8

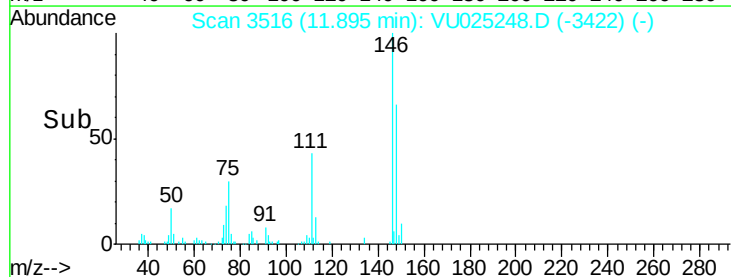
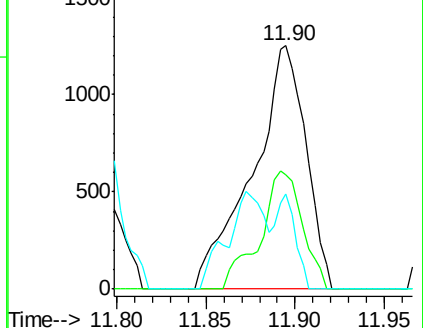
134 14.6 12.3 36.8

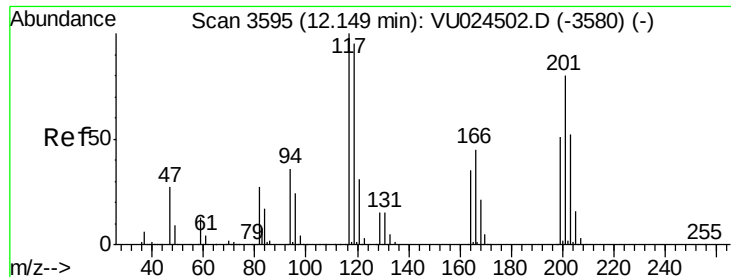


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1.009 ug/l

RT: 12.26 min Scan# 3629

Delta R.T. 0.11 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

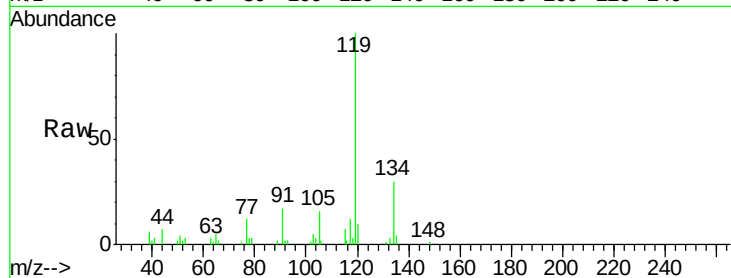
DUP-0472-180628

Tot Ion:117 Resp: 2097

Ion Ratio Lower Upper

117 100

201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.26

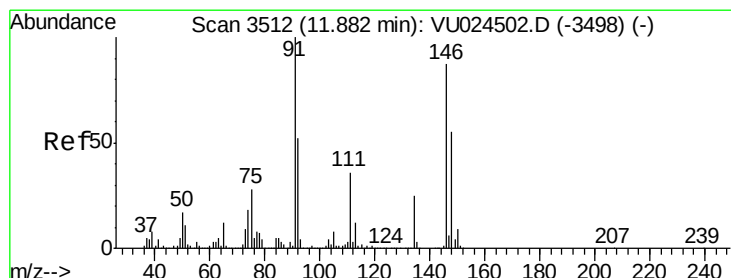
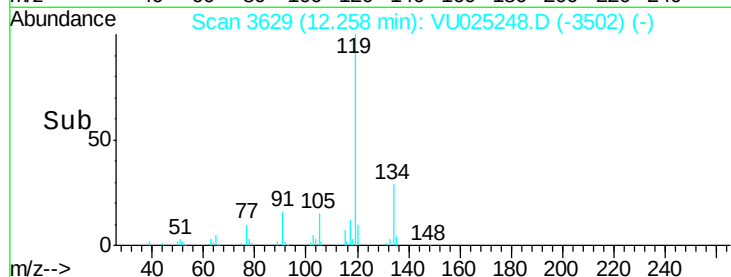
1500

1000

500

0

Time--> 12.20 12.25



#91

1,2-Dichlorobenzene

Concen: 8.486 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

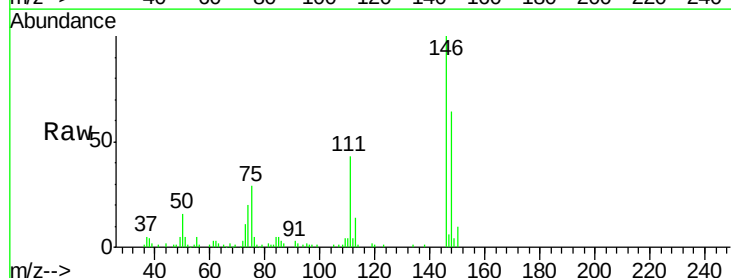
Tgt Ion:146 Resp: 45296

Ion Ratio Lower Upper

146 100

111 41.9 20.5 61.6

148 64.2 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

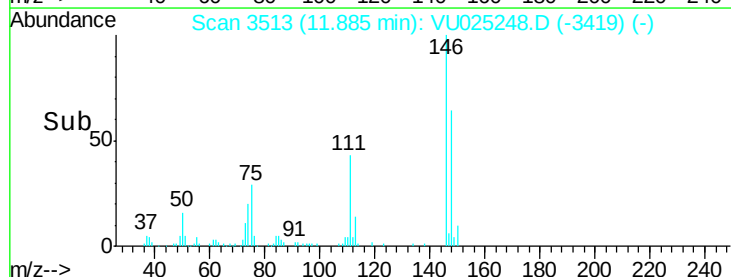
30000

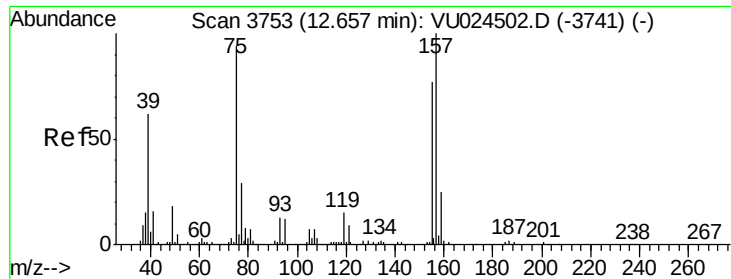
20000

10000

0

Time--> 11.80 11.90 12.00





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.374 ug/l

RT: 12.53 min Scan# 3715

Delta R.T. -0.12 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-0472-180628

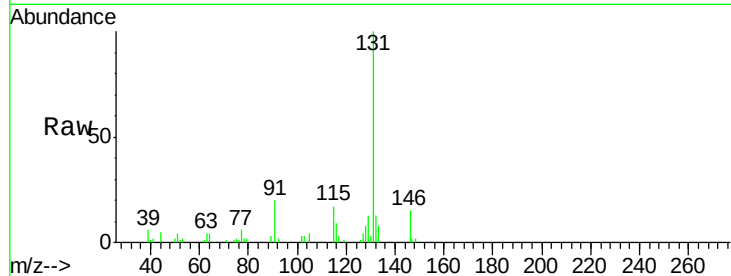
Tot Ion: 75 Resp: 394

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

157 0.0 52.3 156.8#



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3741) (-)

Ion 154.80 (154.50 to 155.50): VU024502.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU024502.D (-3741) (-)

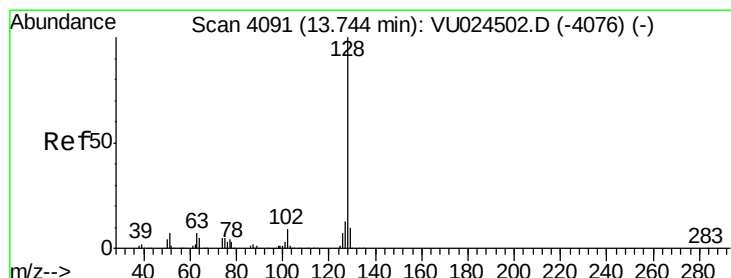
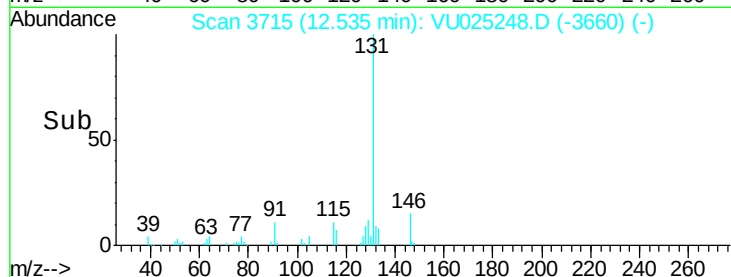
12.53

200

100

0

Time--> 12.50 12.55



#95

Naphthalene

Concen: 0.832 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

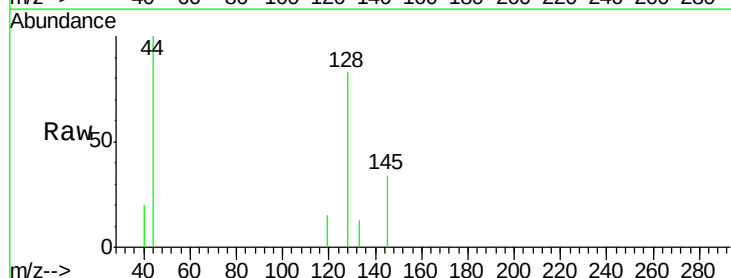
Tgt Ion: 128 Resp: 1689

Ion Ratio Lower Upper

128 100

127 2.3 10.6 16.0#

129 2.4 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

13.75

800

600

400

200

0

Time--> 13.70 13.75 13.80

