

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025216.D
 Acq On : 05 Jul 2018 15:25
 Operator : MD/SY
 Sample : J3808-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

Quant Time: Jul 06 06:04:00 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	206418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	308408	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150225	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	156794	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
35) Dibromofluoromethane	4.89	113	122096	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	7.57	98	438960	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
62) 4-Bromofluorobenzene	10.31	95	161637	43.61	ug/l	0.00
Spiked Amount			Recovery	=	87.22%	

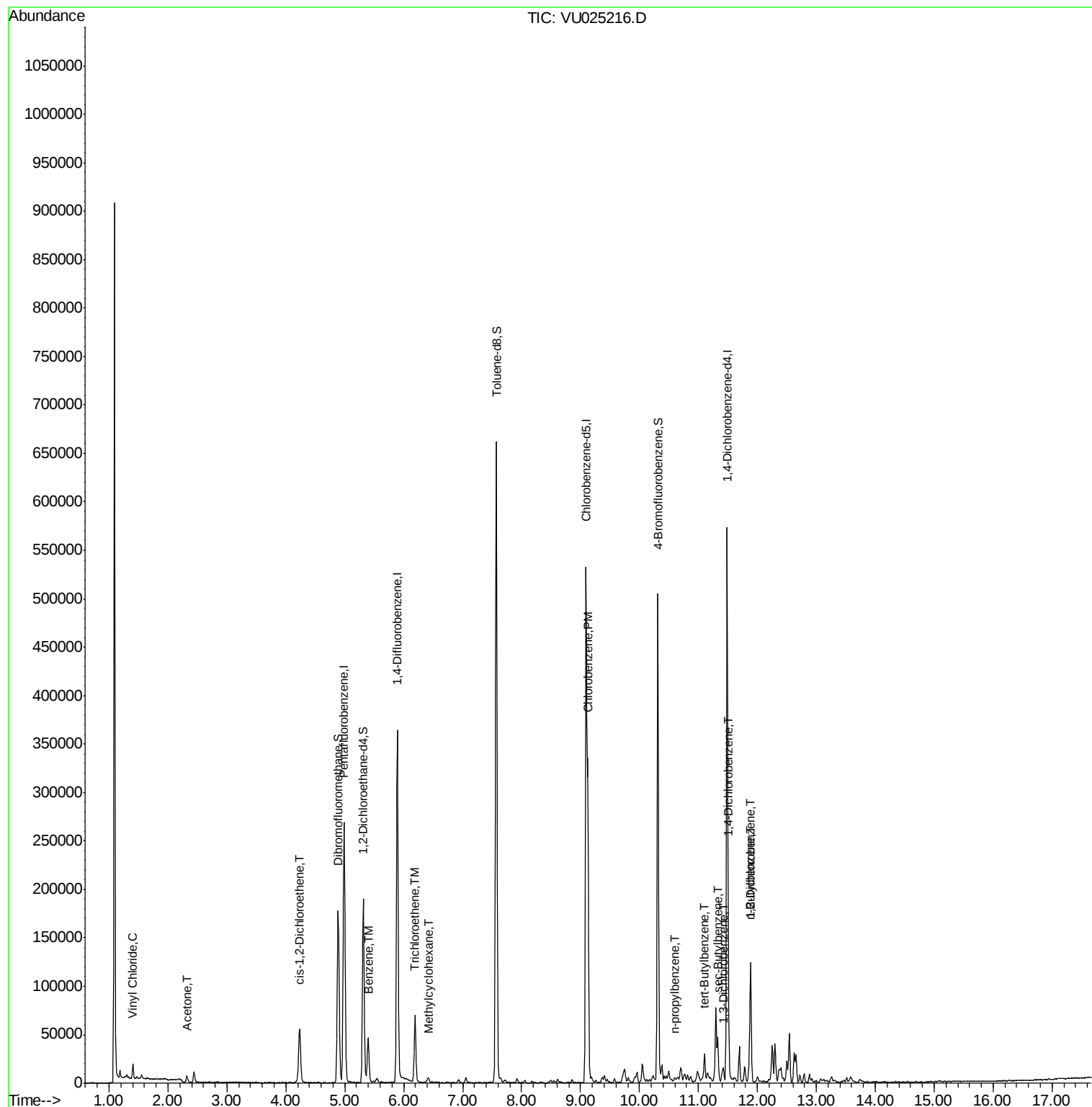
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	8641	3.174	ug/l	96
16) Acetone	2.32	43	7413	4.094	ug/l	98
27) cis-1,2-Dichloroethene	4.24	96	32336	10.865	ug/l	88
39) Methylcyclohexane	6.42	83	2237	0.495	ug/l	93
40) Benzene	5.40	78	43231	4.186	ug/l	97
44) Trichloroethene	6.19	130	24235	8.246	ug/l	96
65) Chlorobenzene	9.12	112	167899	23.337	ug/l	98
78) n-propylbenzene	10.59	91	3257	0.240	ug/l	100
83) tert-Butylbenzene	11.10	119	12374	1.287	ug/l	90
85) sec-Butylbenzene	11.33	105	28232	2.345	ug/l #	57
87) 1,3-Dichlorobenzene	11.42	146	5009	0.929	ug/l	92
88) 1,4-Dichlorobenzene	11.51	146	10396	1.915	ug/l	88
89) n-Butylbenzene	11.90	91	2459	0.257	ug/l	92
91) 1,2-Dichlorobenzene	11.89	146	46819	8.665	ug/l	99

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025216.D

Acq: 05 Jul 2018 15:25

Instrument :

MSVOA_U

ClientSampleId :

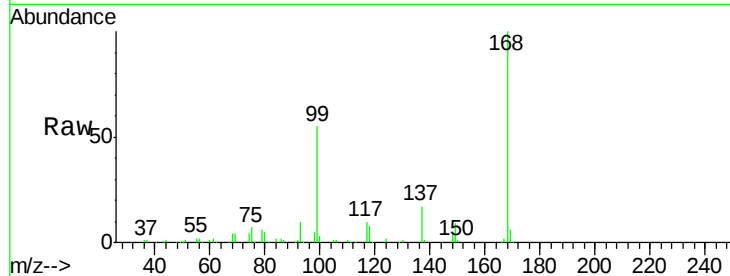
DUP-0472-180628

Tot Ion:168 Resp: 206418

Ion Ratio Lower Upper

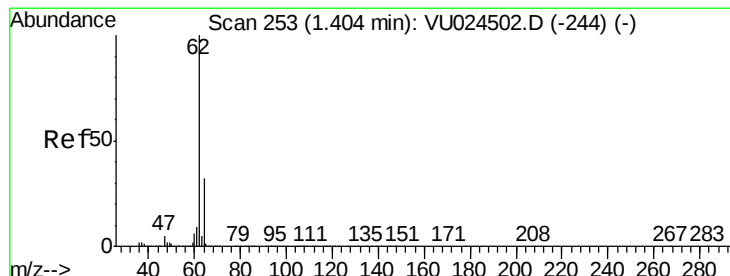
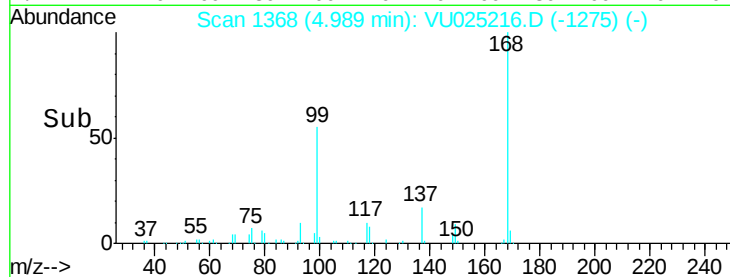
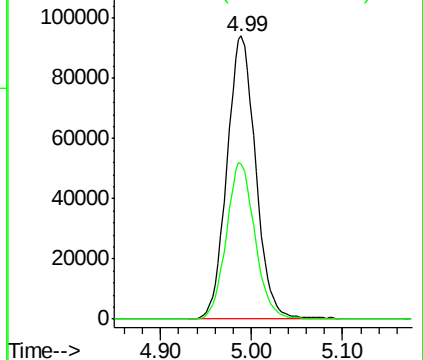
168 100

99 55.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 3.174 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025216.D

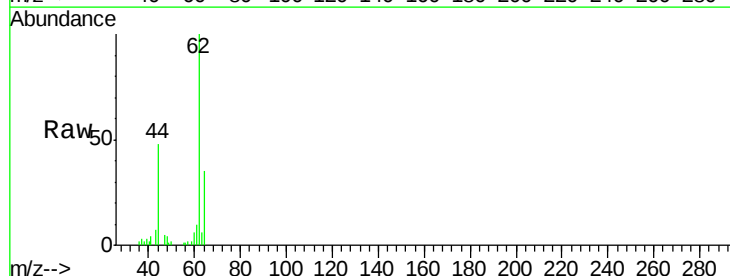
Acq: 05 Jul 2018 15:25

Tgt Ion: 62 Resp: 8641

Ion Ratio Lower Upper

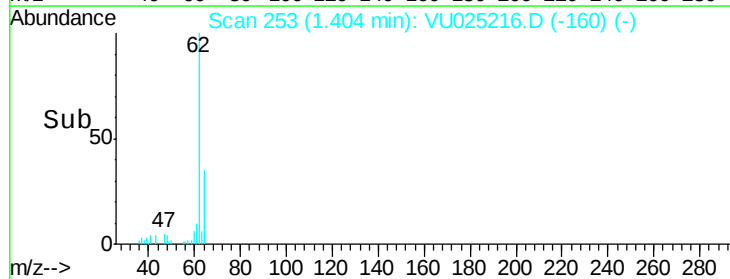
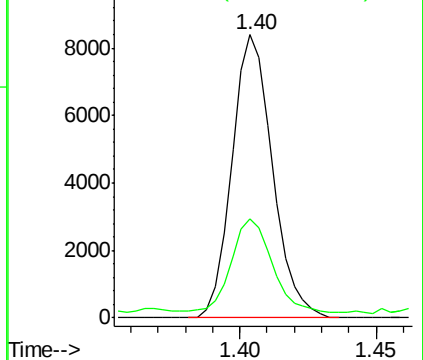
62 100

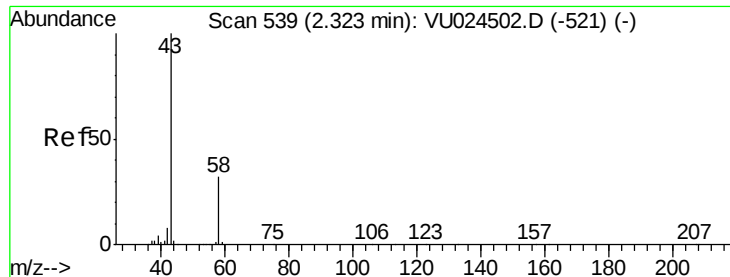
64 33.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#16

Acetone

Concen: 4.094 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025216.D

Acq: 05 Jul 2018 15:25

Instrument :

MSVOA_U

ClientSampleId :

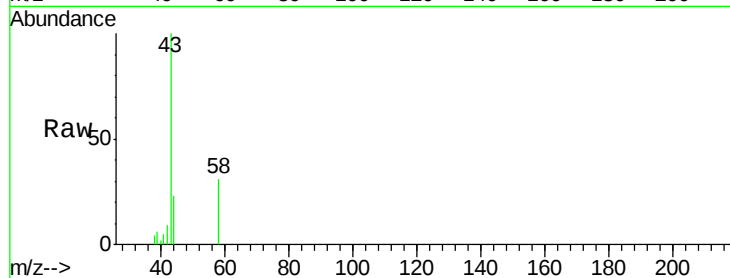
DUP-0472-180628

Tot Ion: 43 Resp: 7413

Ion Ratio Lower Upper

43 100

58 31.4 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU025216.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU025216.D (-446) (-)

2.32

4000

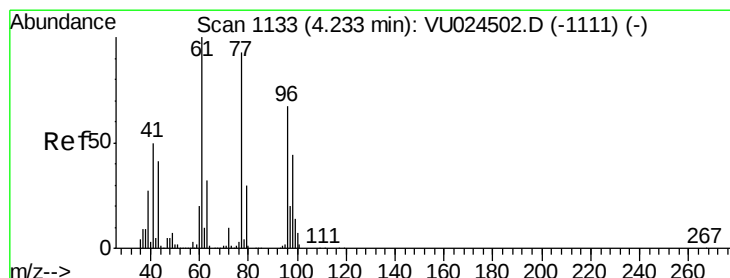
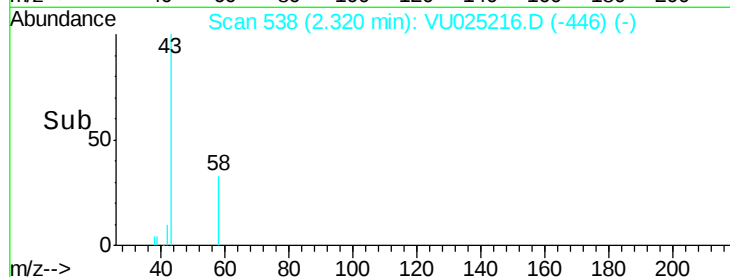
3000

2000

1000

0

Time--> 2.25 2.30 2.35 2.40



#27

cis-1,2-Dichloroethene

Concen: 10.865 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU025216.D

Acq: 05 Jul 2018 15:25

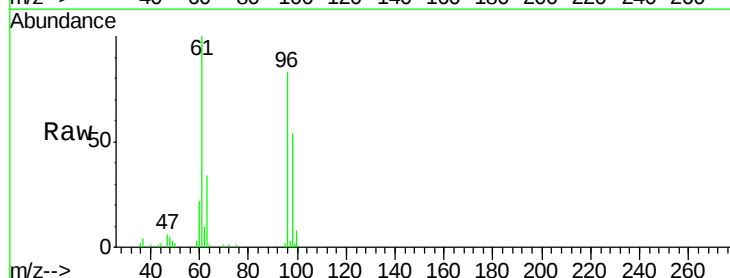
Tgt Ion: 96 Resp: 32336

Ion Ratio Lower Upper

96 100

61 132.6 0.0 306.6

98 63.2 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU025216.D (-1040) (-)

Ion 60.90 (60.60 to 61.60): VU025216.D (-1040) (-)

Ion 97.90 (97.60 to 98.60): VU025216.D (-1040) (-)

4.24

20000

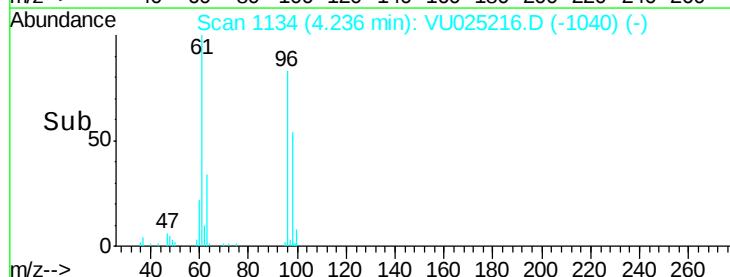
15000

10000

5000

0

Time--> 4.15 4.20 4.25 4.30 4.35

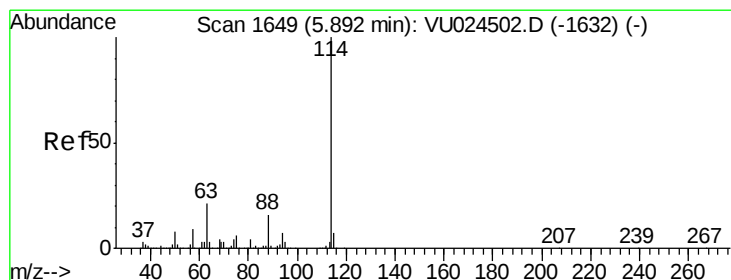
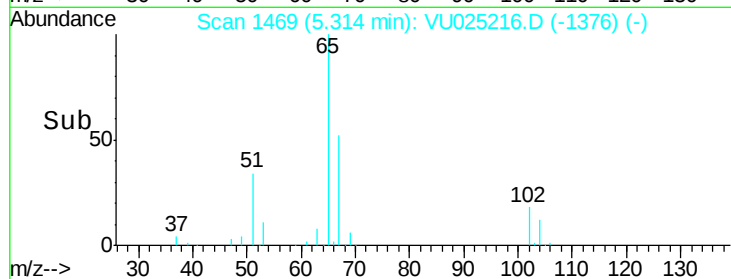
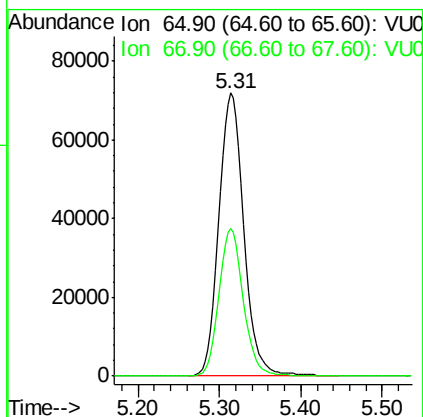
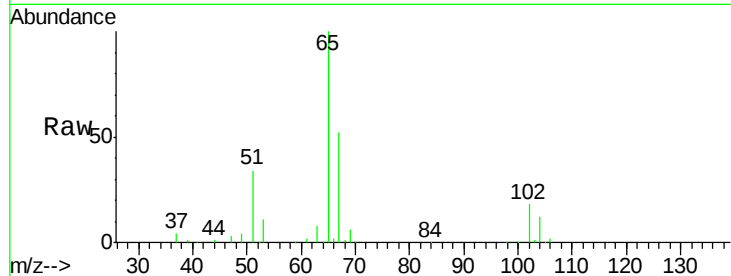




#33
 1,2-Dichloroethane-d4
 Concen: 46.529 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025216.D
 Acq: 05 Jul 2018 15:25

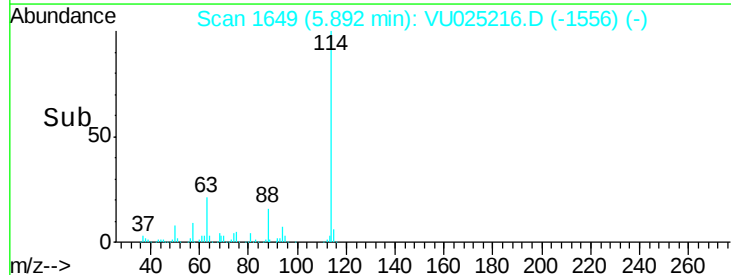
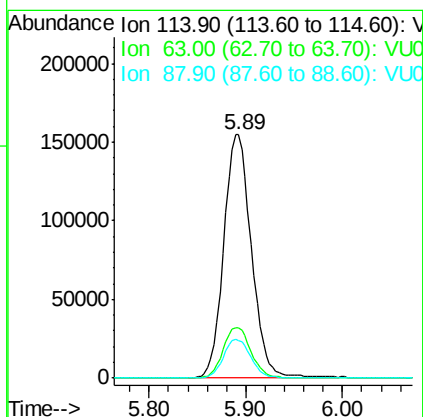
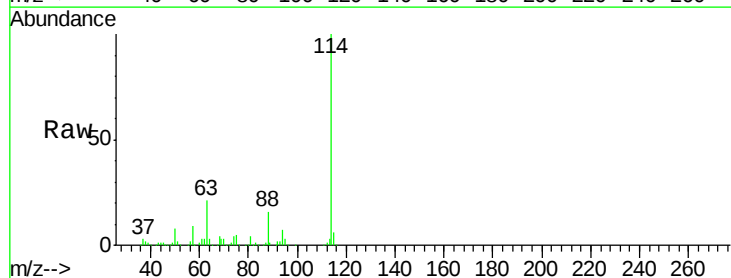
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

Tot Ion: 65 Resp: 156794
 Ion Ratio Lower Upper
 65 100
 67 50.6 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: VU025216.D
 Acq: 05 Jul 2018 15:25

Tgt Ion: 114 Resp: 308408
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.4
 88 15.7 0.0 31.0

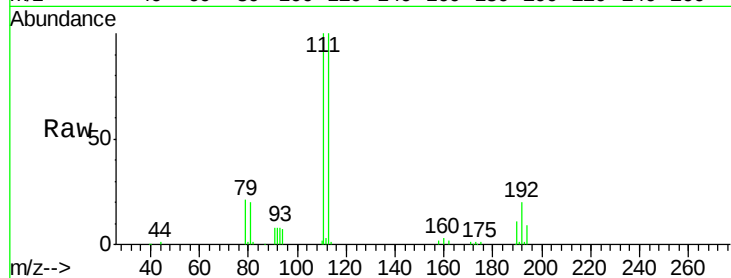




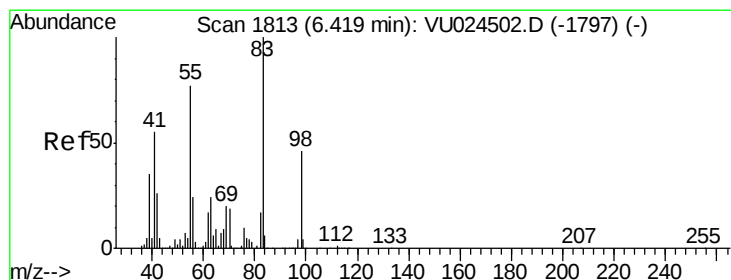
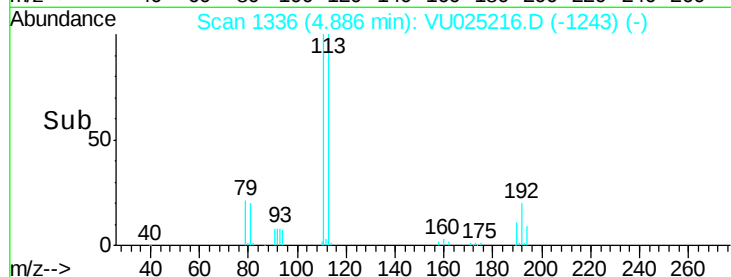
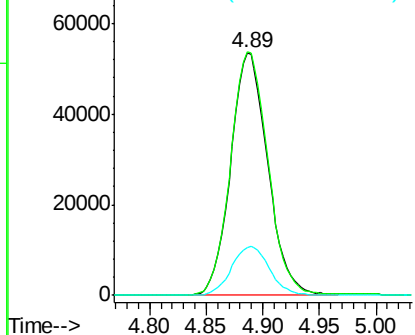
#35
Dibromofluoromethane
Concen: 47.702 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU025216.D
Acq: 05 Jul 2018 15:25

Instrument :
MSVOA_U
ClientSampleId :
DUP-0472-180628

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	20.7	16.2	24.4

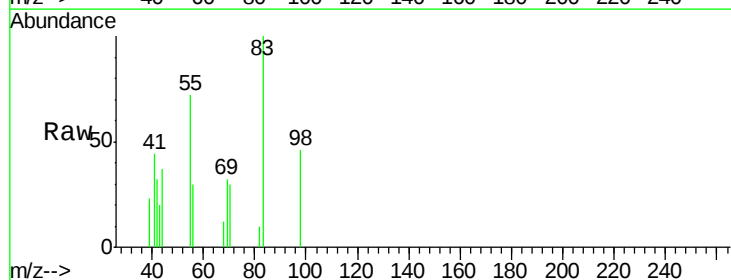


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

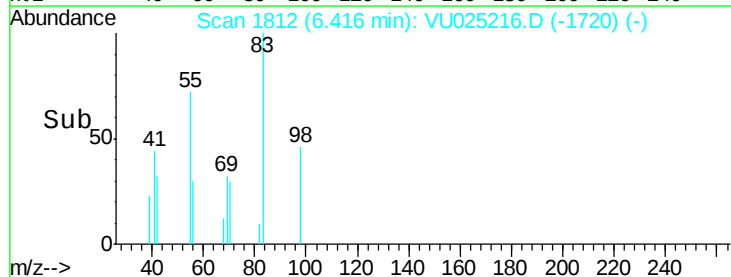
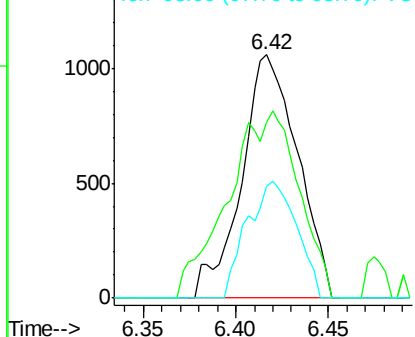


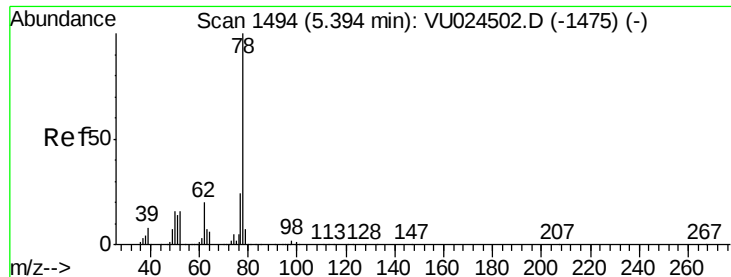
#39
Methylcyclohexane
Concen: 0.495 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VU025216.D
Acq: 05 Jul 2018 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.1	65.8	98.6
98	45.8	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: 4.186 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025216.D

Acq: 05 Jul 2018 15:25

Instrument :

MSVOA_U

ClientSampleId :

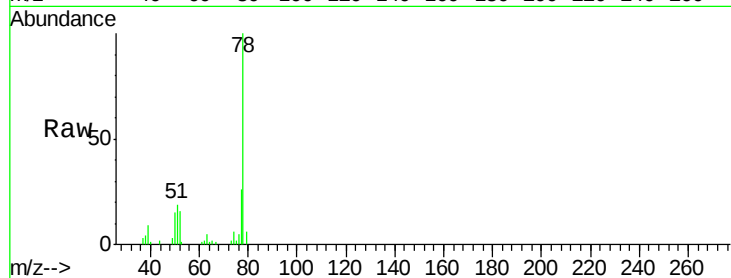
DUP-0472-180628

Tot Ion: 78 Resp: 43231

Ion Ratio Lower Upper

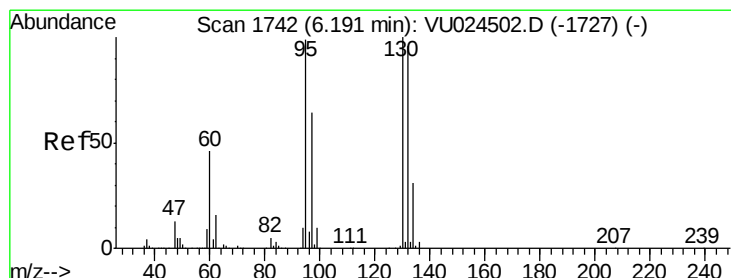
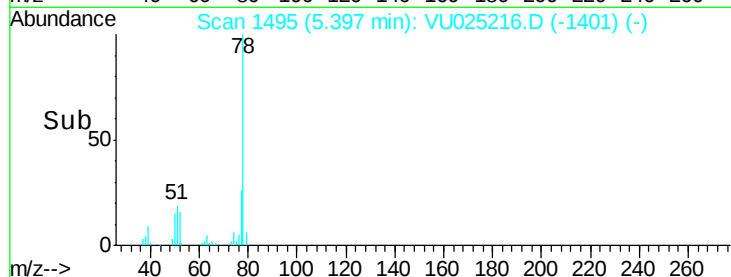
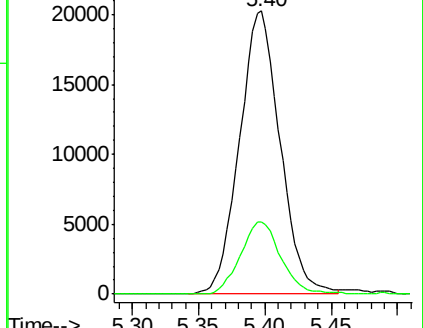
78 100

77 25.7 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU025216.D (-1495) (-)

Ion 77.00 (76.70 to 77.70): VU025216.D (-1495) (-)



#44

Trichloroethene

Concen: 8.246 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025216.D

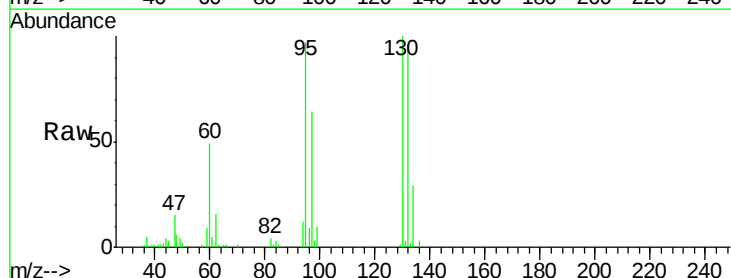
Acq: 05 Jul 2018 15:25

Tgt Ion:130 Resp: 24235

Ion Ratio Lower Upper

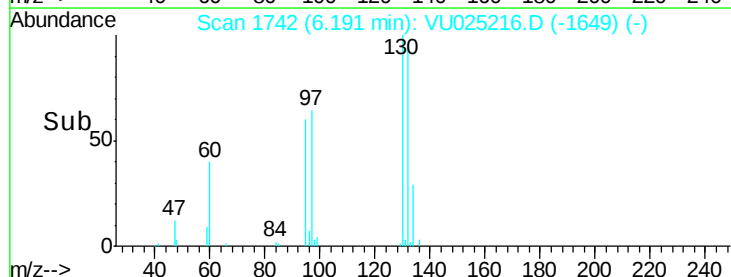
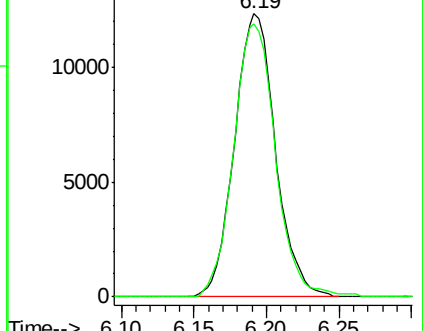
130 100

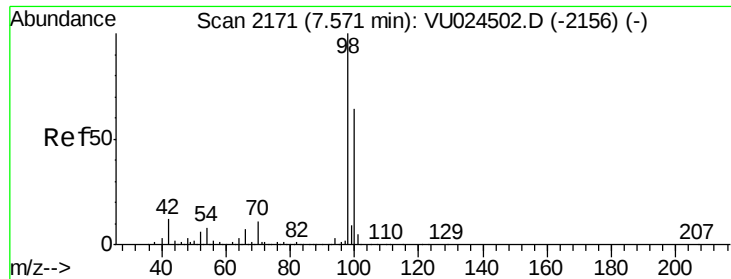
95 96.7 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU025216.D (-1742) (-)

Ion 94.90 (94.60 to 95.60): VU025216.D (-1742) (-)

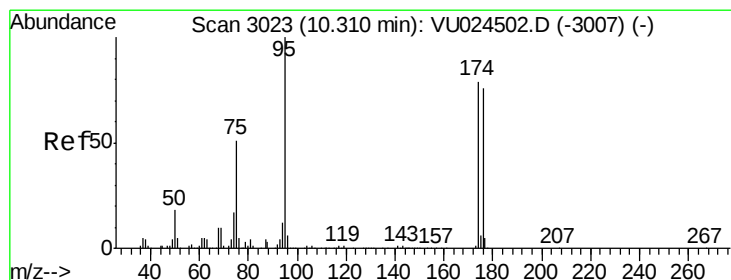
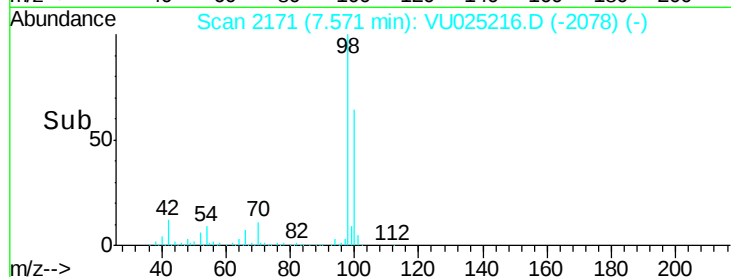
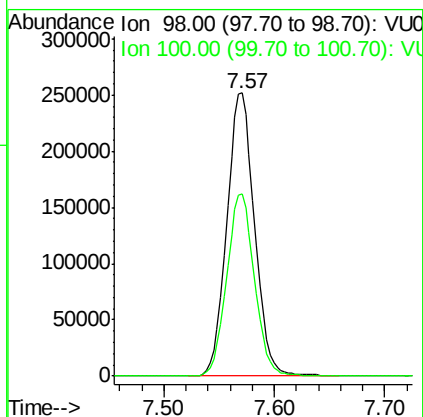
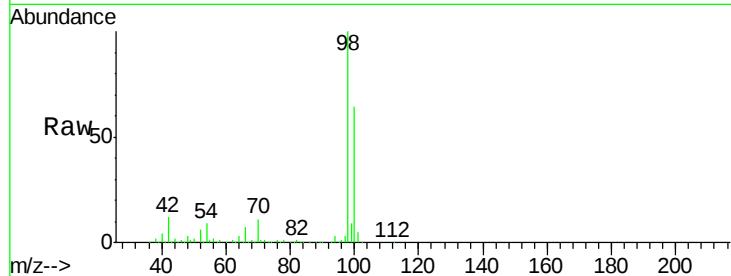




#50
Toluene-d8
Concen: 47.017 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025216.D
Acq: 05 Jul 2018 15:25

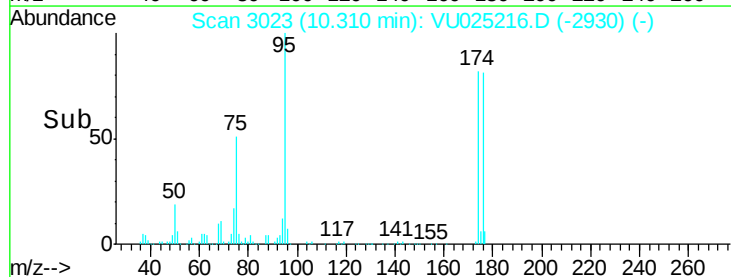
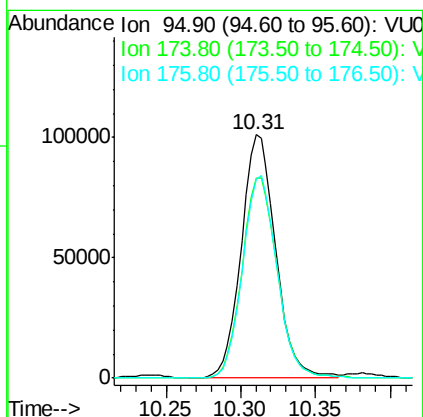
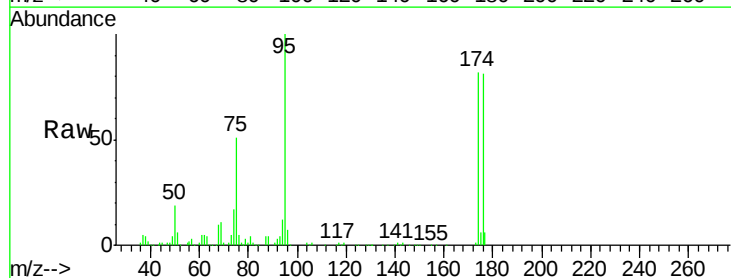
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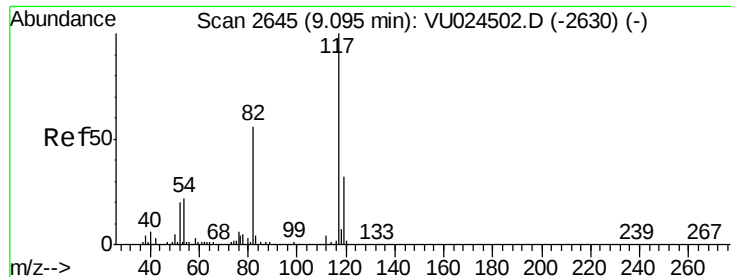
Tot Ion: 98 Resp: 438960
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.605 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025216.D
Acq: 05 Jul 2018 15:25

Tgt Ion: 95 Resp: 161637
Ion Ratio Lower Upper
95 100
174 84.8 0.0 165.8
176 83.9 0.0 159.4

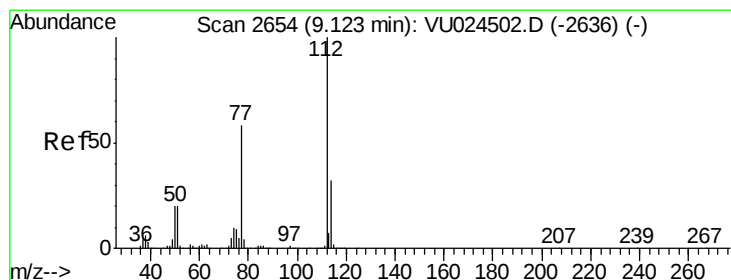
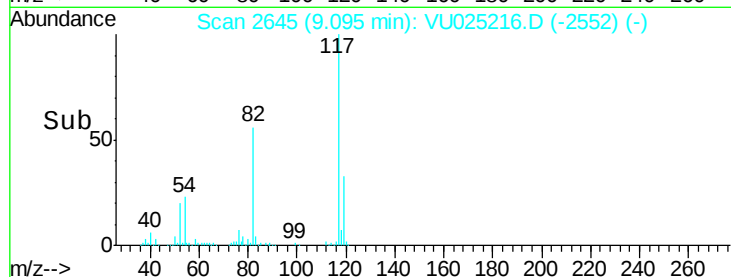
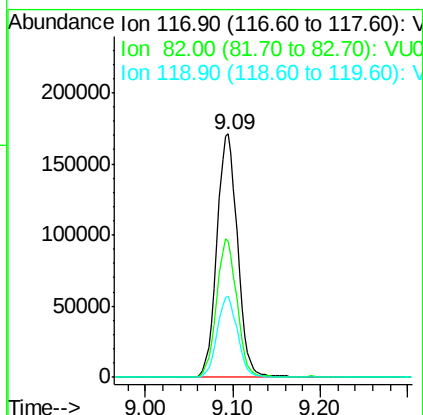
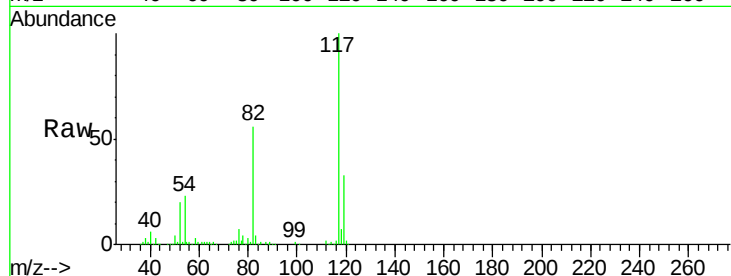




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025216.D
Acq: 05 Jul 2018 15:25

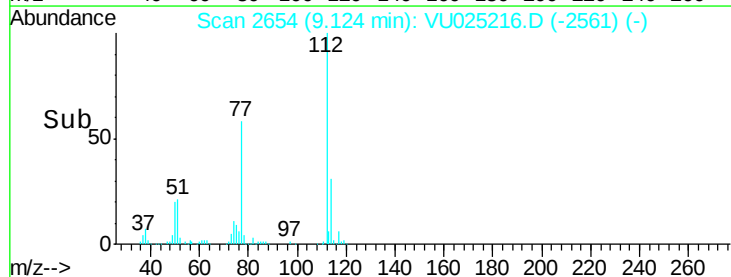
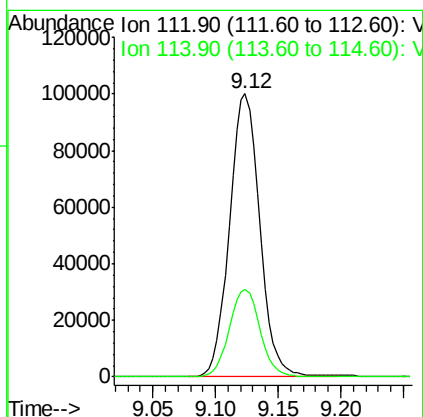
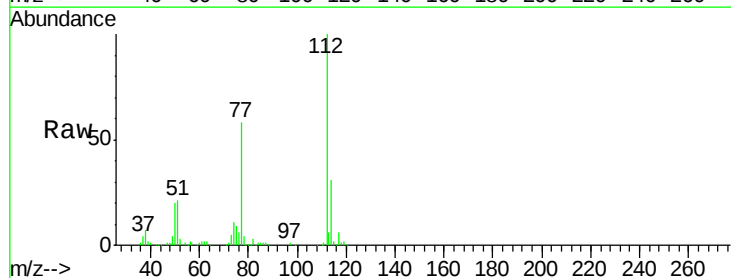
Instrument :
MSVOA_U
ClientSampleId :
DUP-0472-180628

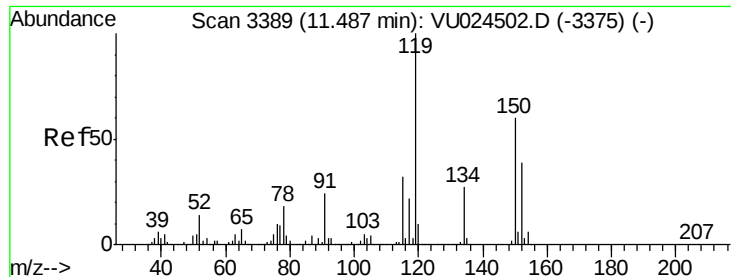
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.3	66.5
119	33.1	25.4	38.2



#65
Chlorobenzene
Concen: 23.337 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025216.D
Acq: 05 Jul 2018 15:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	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: VU025216.D

Acq: 05 Jul 2018 15:25

Instrument :

MSVOA_U

ClientSampleId :

DUP-0472-180628

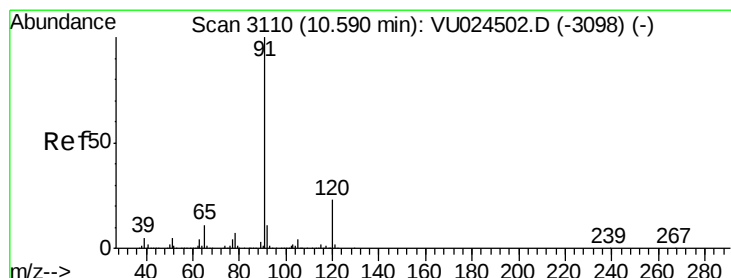
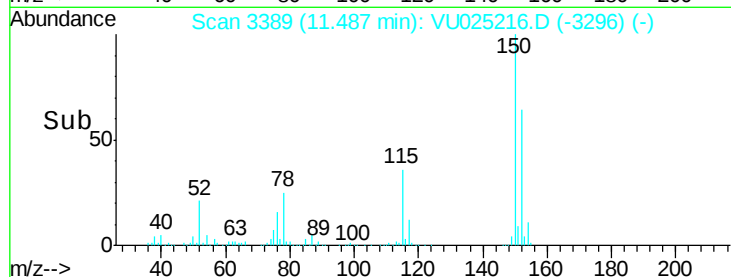
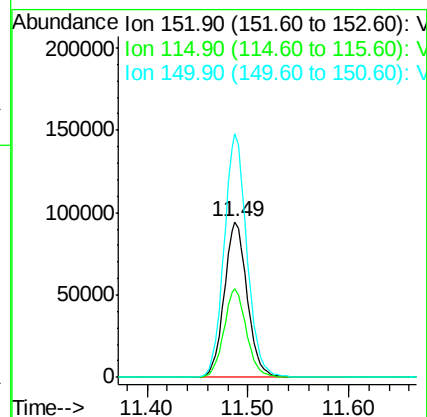
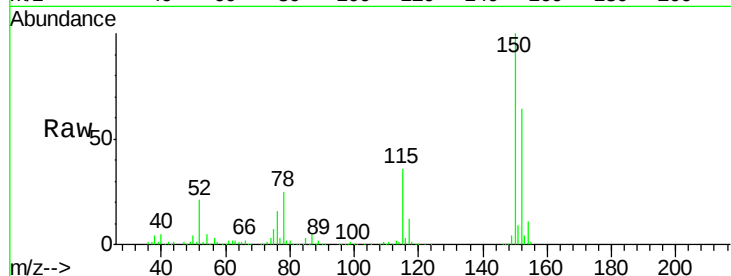
Tot Ion:152 Resp: 150225

Ion Ratio Lower Upper

152 100

115 55.9 43.0 129.0

150 155.5 0.0 354.0



#78

n-propylbenzene

Concen: 0.240 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025216.D

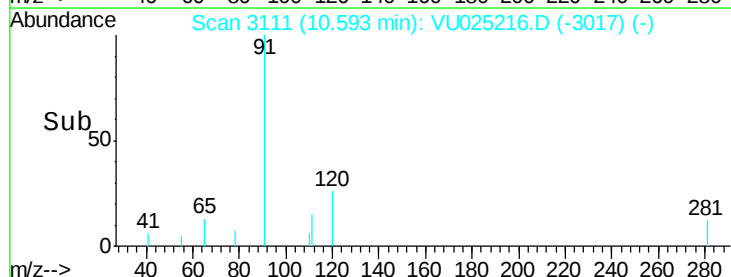
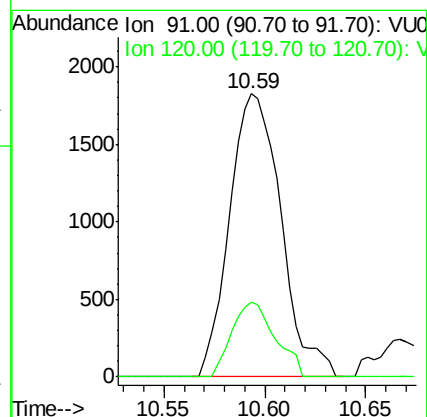
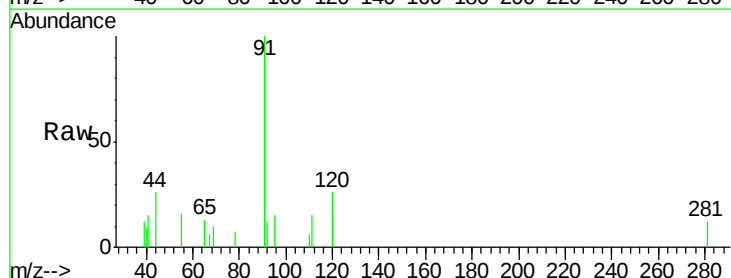
Acq: 05 Jul 2018 15:25

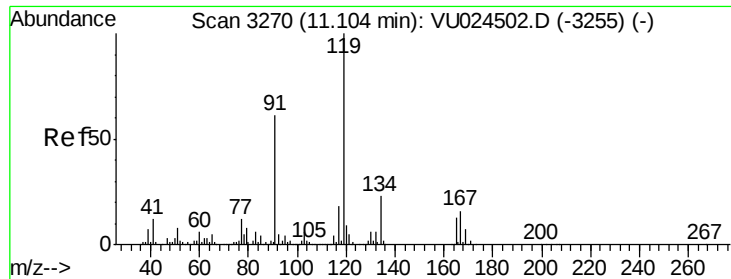
Tgt Ion: 91 Resp: 3257

Ion Ratio Lower Upper

91 100

120 22.3 11.2 33.5





#83

tert-Butylbenzene

Concen: 1.287 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025216.D

Acq: 05 Jul 2018 15:25

Instrument :

MSVOA_U

ClientSampleId :

DUP-0472-180628

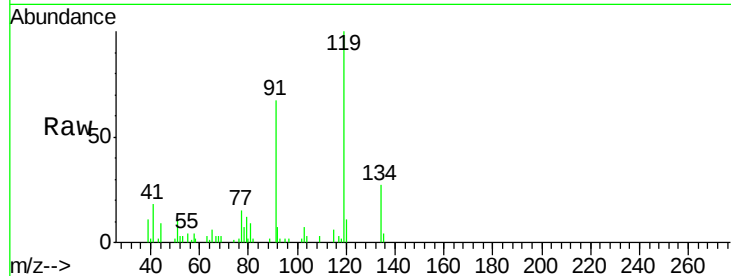
Tot Ion:119 Resp: 12374

Ion Ratio Lower Upper

119 100

91 69.8 29.7 89.1

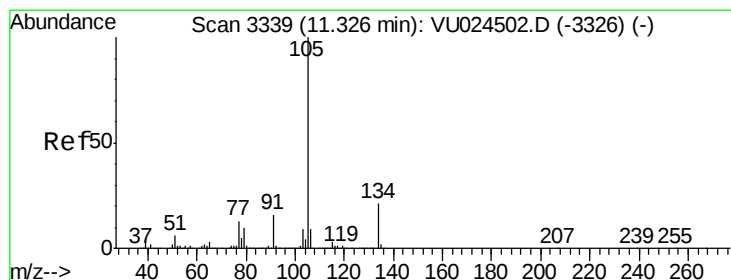
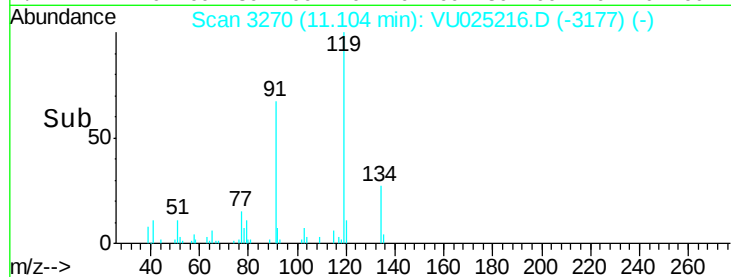
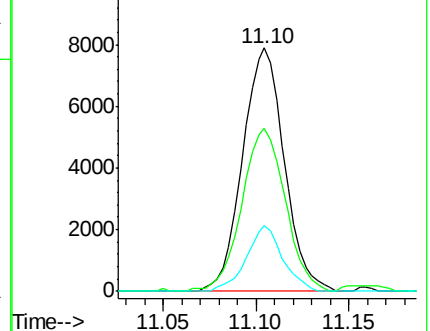
134 23.4 11.6 34.7



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: 2.345 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025216.D

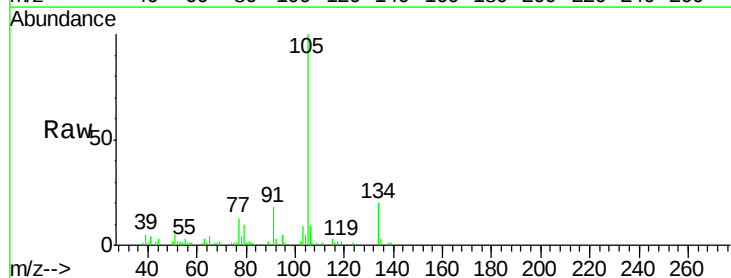
Acq: 05 Jul 2018 15:25

Tgt Ion:105 Resp: 28232

Ion Ratio Lower Upper

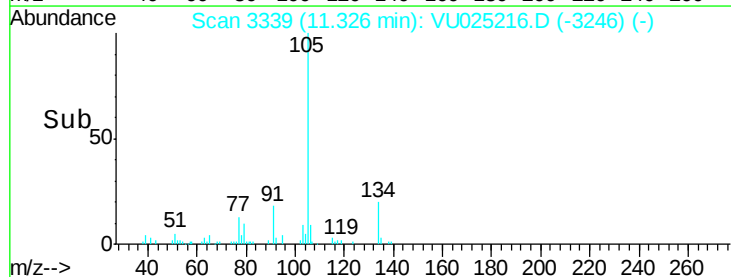
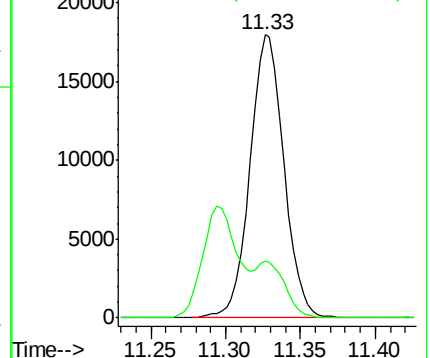
105 100

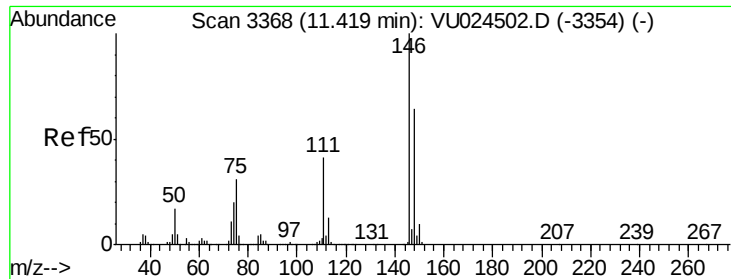
134 0.0 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

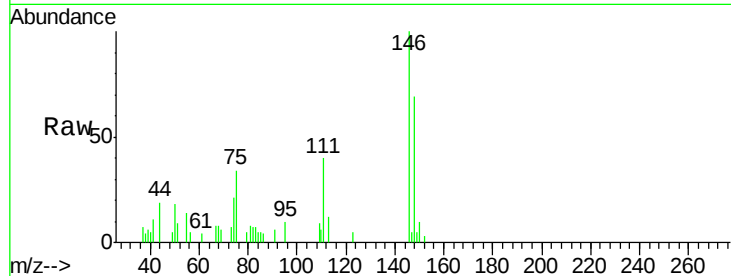




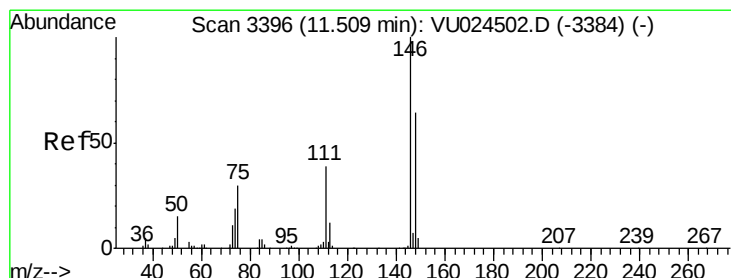
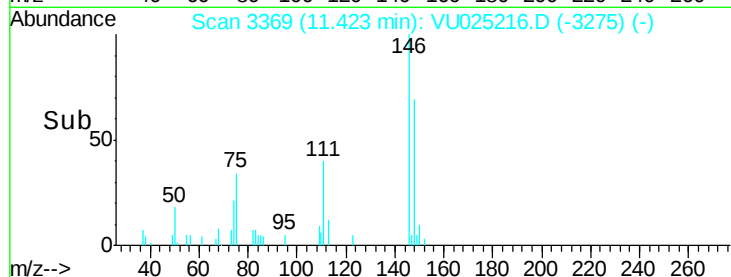
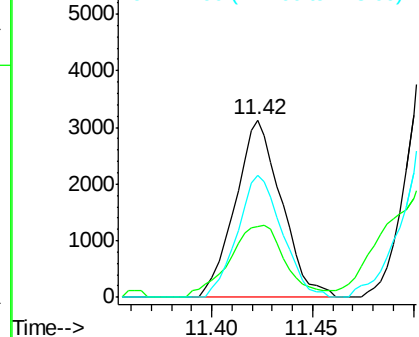
#87
 1,3-Dichlorobenzene
 Concen: 0.929 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025216.D
 Acq: 05 Jul 2018 15:25

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.3	20.0	60.0
148	66.6	32.1	96.5

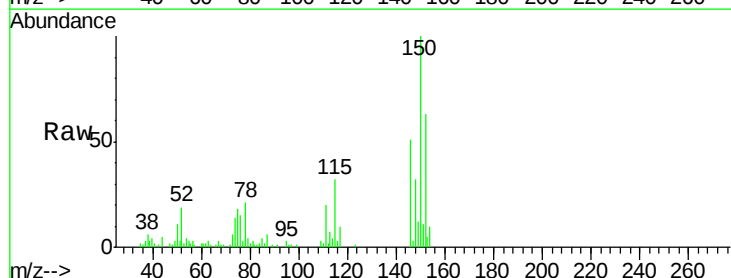


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

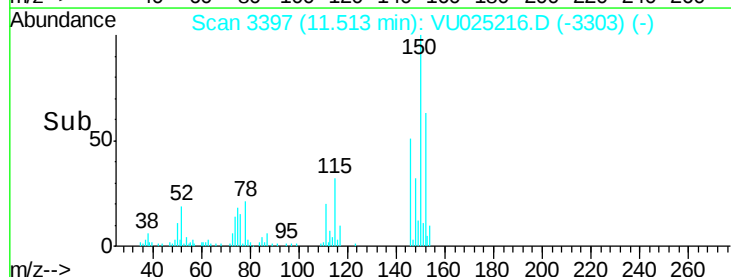
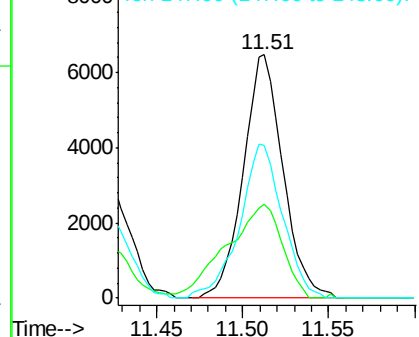


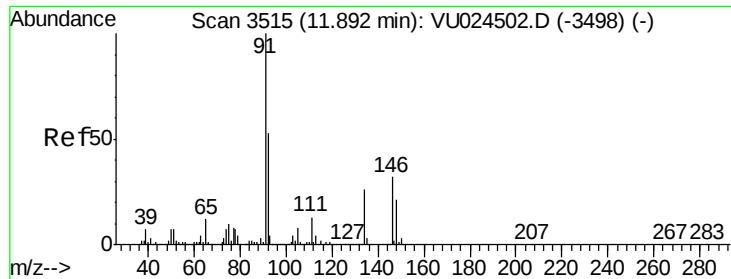
#88
 1,4-Dichlorobenzene
 Concen: 1.915 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025216.D
 Acq: 05 Jul 2018 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	54.0	19.5	58.5
148	68.1	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

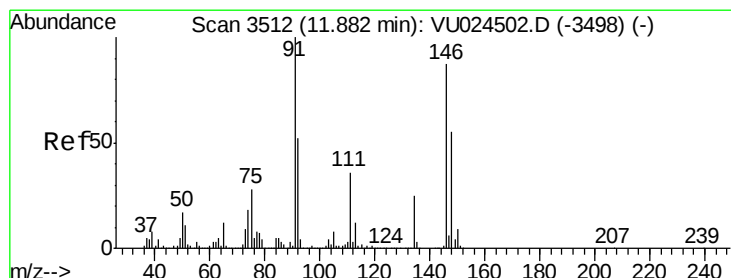
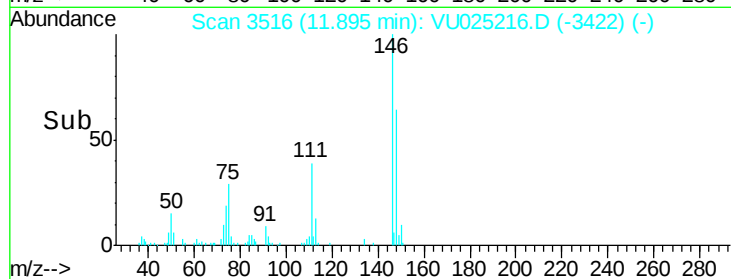
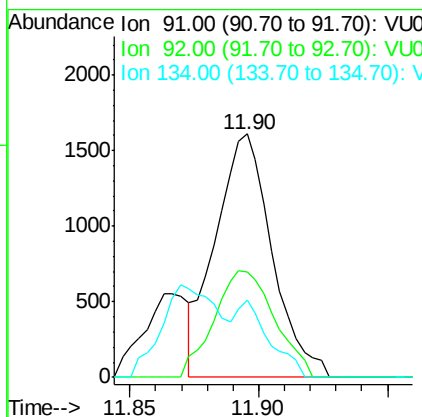
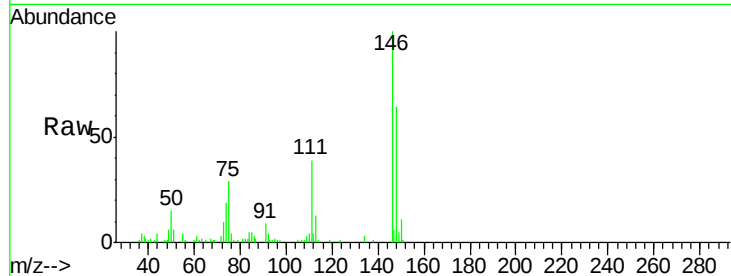




#89
n-Butylbenzene
Concen: 0.257 ug/l
RT: 11.90 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025216.D
Acq: 05 Jul 2018 15:25

Instrument :
MSVOA_U
ClientSampleId :
DUP-0472-180628

Tot Ion: 91 Resp: 2459
Ion Ratio Lower Upper
91 100
92 46.8 25.6 76.8
134 18.3 12.3 36.8



#91
1,2-Dichlorobenzene
Concen: 8.665 ug/l
RT: 11.89 min Scan# 3513
Delta R.T. 0.00 min
Lab File: VU025216.D
Acq: 05 Jul 2018 15:25

Tgt Ion: 146 Resp: 46819
Ion Ratio Lower Upper
146 100
111 41.4 20.5 61.6
148 64.5 31.9 95.7

