

Data File : VU028924.D
Acq On : 22 Dec 2018 19:02
Operator : MD/SY
Sample : J6426-10MEDL 100X
Misc : 5.64g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01MEDL

Quant Time: Jan 05 06:18:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	190923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	313367	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	128155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	111420	38.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.48%	
35) Dibromofluoromethane	4.88	113	96905	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	7.56	98	388528	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	10.30	95	135541	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds

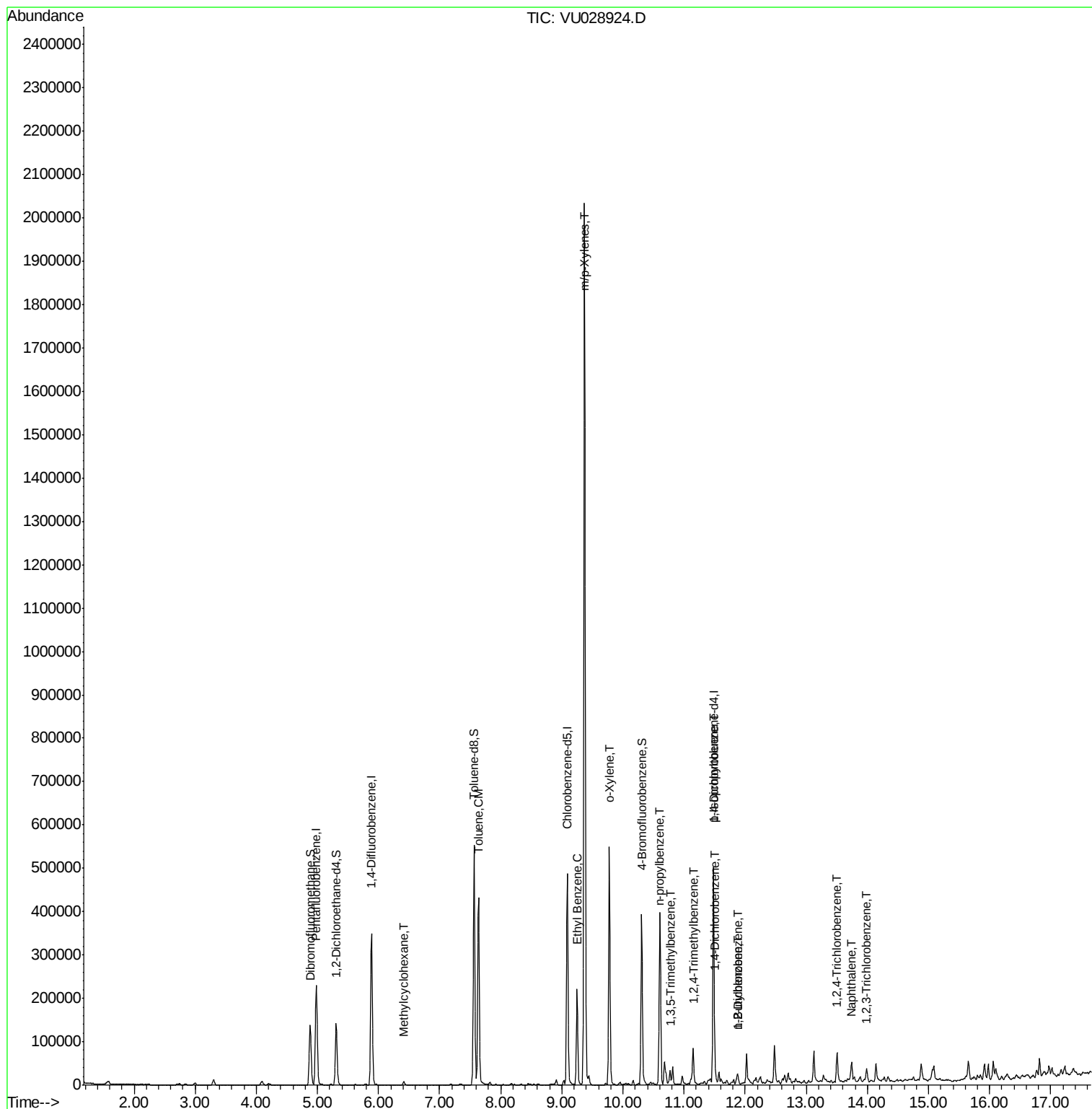
						Qvalue
39) Methylcyclohexane	6.41	83	3809	0.910	ug/l	95
52) Toluene	7.64	92	193338	32.528	ug/l	98
67) Ethyl Benzene	9.25	91	162613	14.382	ug/l	99
68) m/p-Xylenes	9.37	106	588443	143.030	ug/l	95
69) o-Xylene	9.78	106	152431	38.126	ug/l	95
78) n-propylbenzene	10.59	91	14638	1.198	ug/l	91
80) 1,3,5-Trimethylbenzene	10.77	105	15989	1.964	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	45402	5.412	ug/l	96
86) p-Isopropyltoluene	11.47	119	14175	1.656	ug/l	93
88) 1,4-Dichlorobenzene	11.51	146	7429	1.653	ug/l #	83
89) n-Butylbenzene	11.89	91	3881	0.448	ug/l #	38
91) 1,2-Dichlorobenzene	11.88	146	2713	0.625	ug/l	89
93) 1,2,4-Trichlorobenzene	13.50	180	20859	7.714	ug/l	96
95) Naphthalene	13.74	128	36356	3.488	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	10660	3.724	ug/l	91

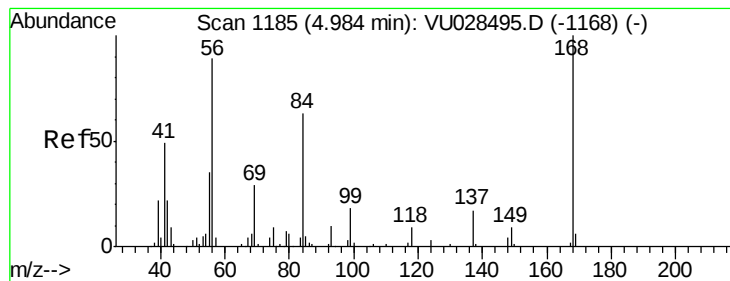
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028924.D

Acq: 22 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

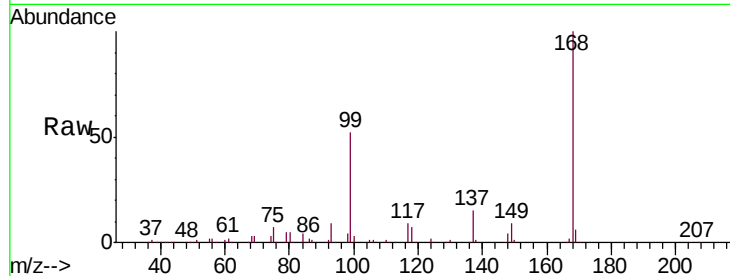
P001-SS013A-2430-01MEDL

Tgt Ion:168 Resp: 190923

Ion Ratio Lower Upper

168 100

99 51.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

80000

60000

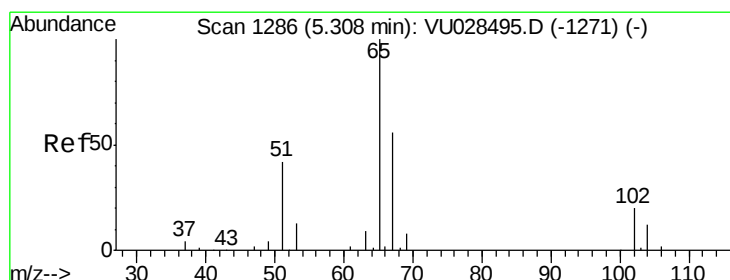
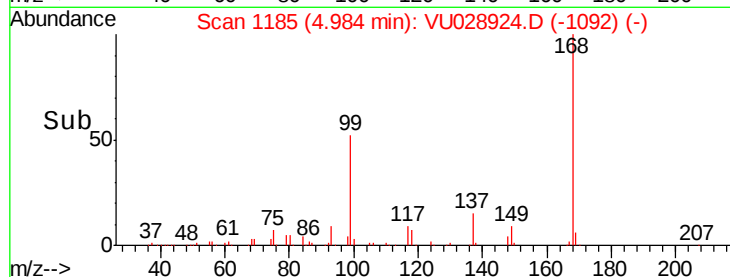
40000

20000

0

4.90 5.00 5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 38.241 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028924.D

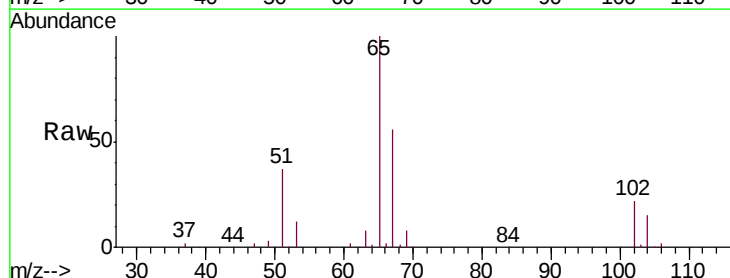
Acq: 22 Dec 2018 19:02

Tgt Ion: 65 Resp: 111420

Ion Ratio Lower Upper

65 100

67 54.4 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.31

60000

50000

40000

30000

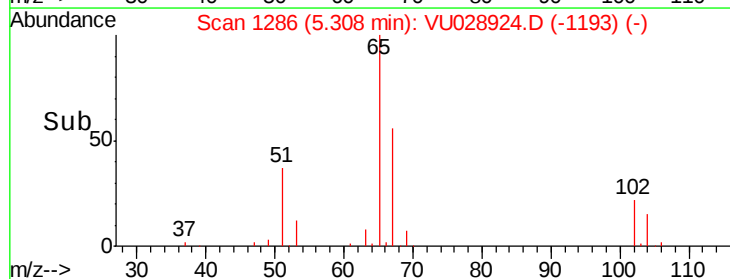
20000

10000

0

5.20 5.30 5.40

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028924.D

Acq: 22 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01MEDL

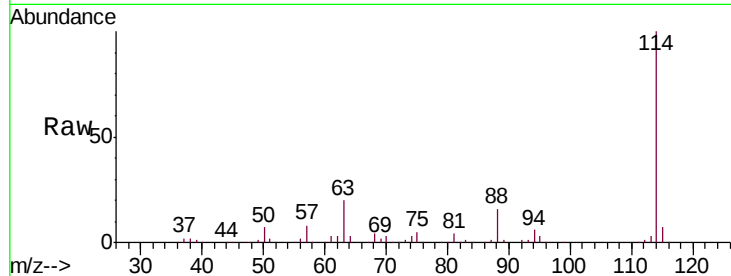
Tgt Ion:114 Resp: 313367

Ion Ratio Lower Upper

114 100

63 20.3 0.0 49.2

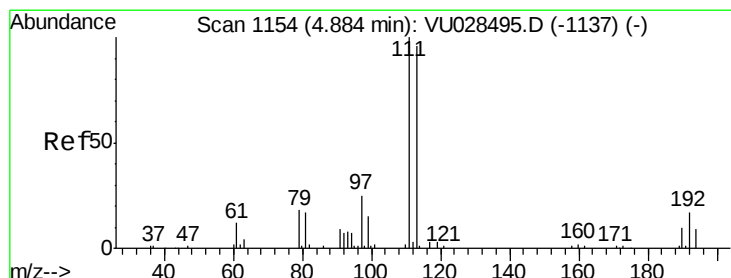
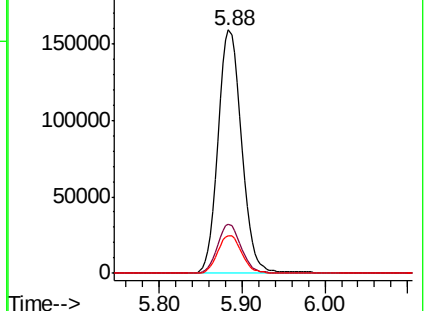
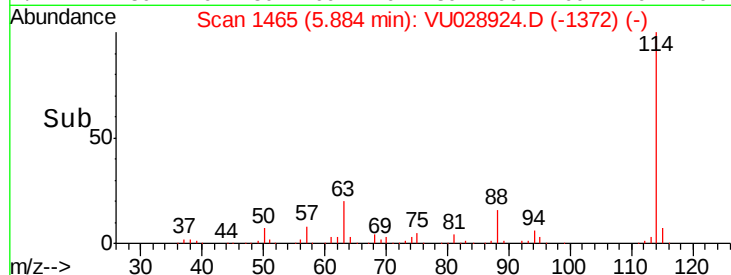
88 15.5 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 49.139 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028924.D

Acq: 22 Dec 2018 19:02

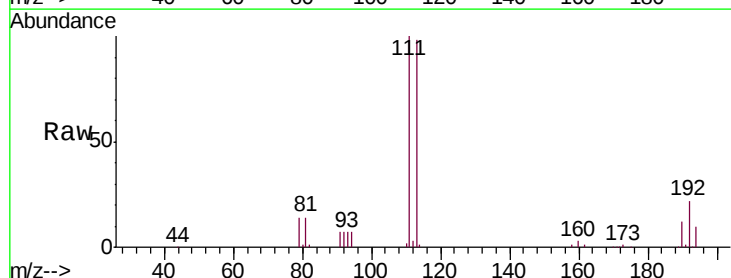
Tgt Ion:113 Resp: 96905

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.0

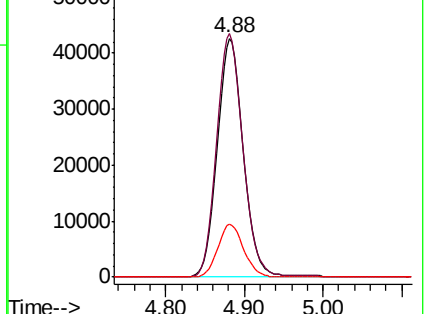
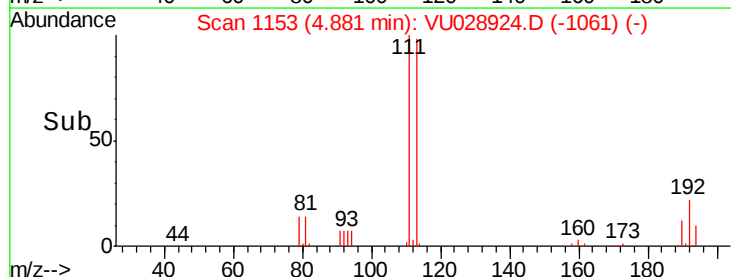
192 22.0 14.8 22.2

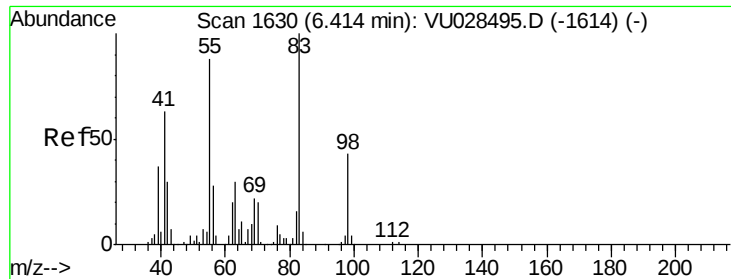


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

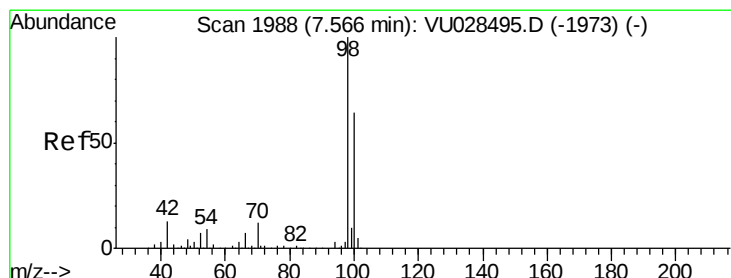
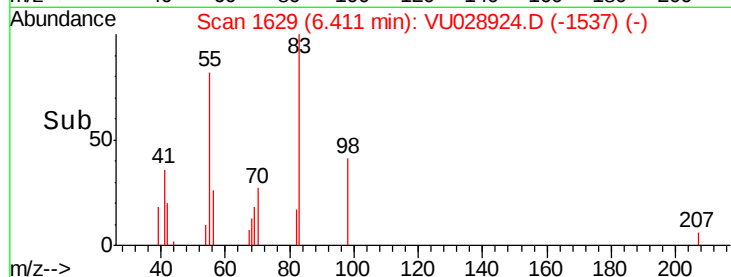
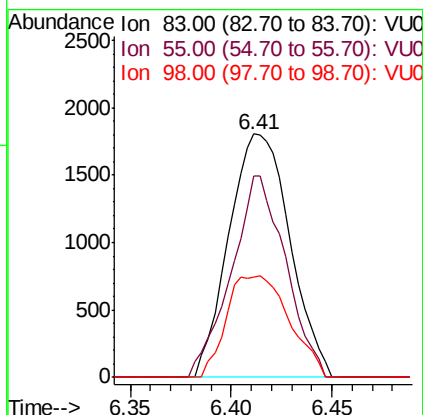
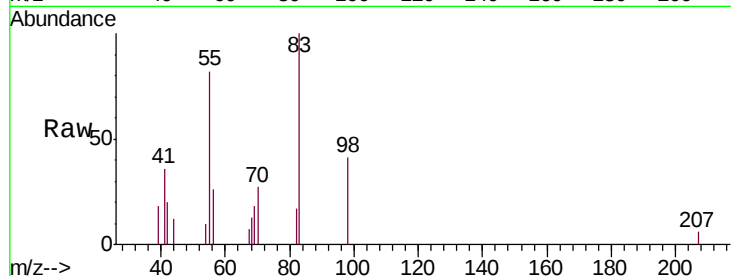




#39
Methylcyclohexane
Concen: 0.910 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028924.D
Acq: 22 Dec 2018 19:02

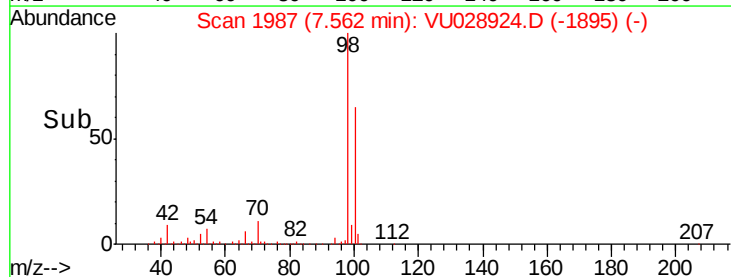
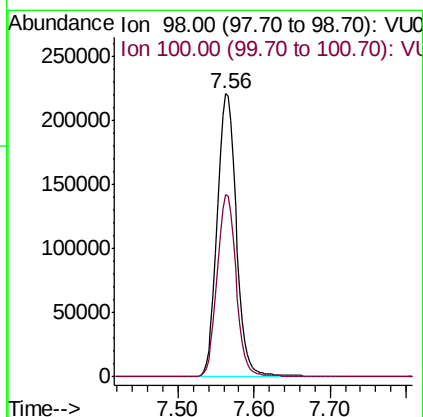
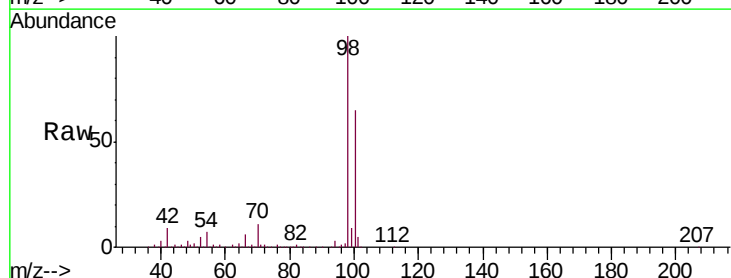
Instrument :
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P001-SS013A-2430-01MEDL

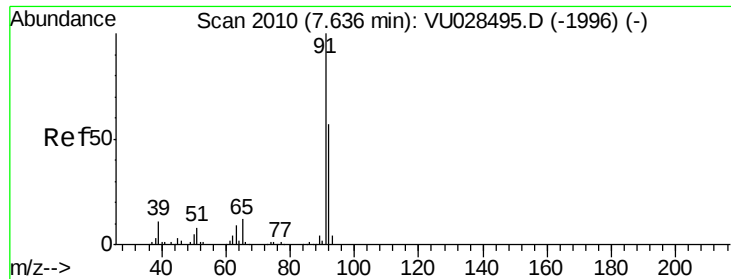
Tgt Ion: 83 Resp: 3809
Ion Ratio Lower Upper
83 100
55 82.4 70.2 105.2
98 41.1 34.2 51.4



#50
Toluene-d8
Concen: 49.805 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028924.D
Acq: 22 Dec 2018 19:02

Tgt Ion: 98 Resp: 388528
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.6





#52

Toluene

Concen: 32.528 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028924.D

Acq: 22 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

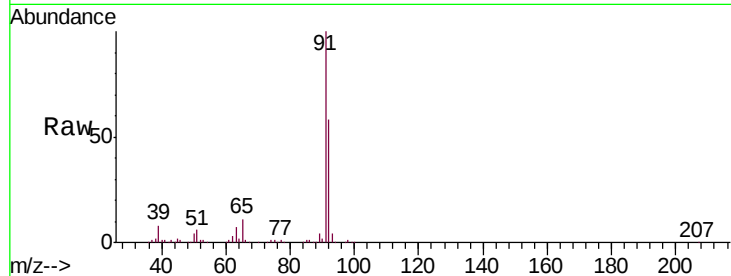
P001-SS013A-2430-01MEDL

Tgt Ion: 92 Resp: 193338

Ion Ratio Lower Upper

92 100

91 172.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

100000

50000

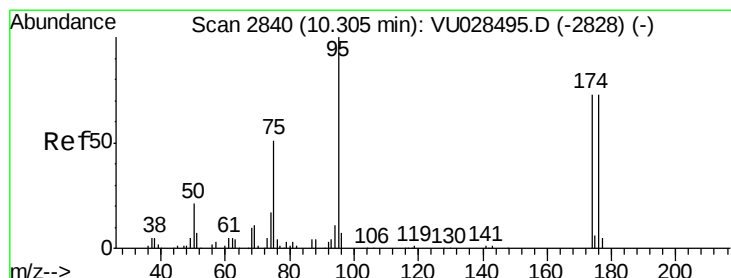
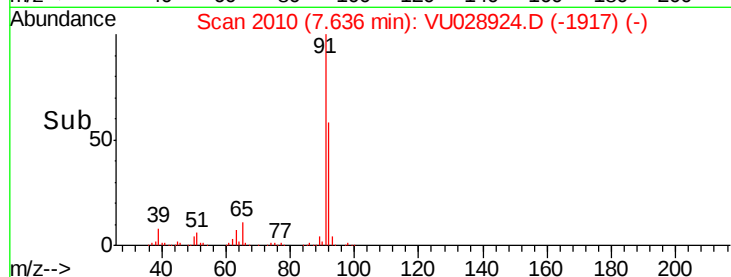
0

7.64

7.70

7.80

Time-->



#62

4-Bromofluorobenzene

Concen: 46.486 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028924.D

Acq: 22 Dec 2018 19:02

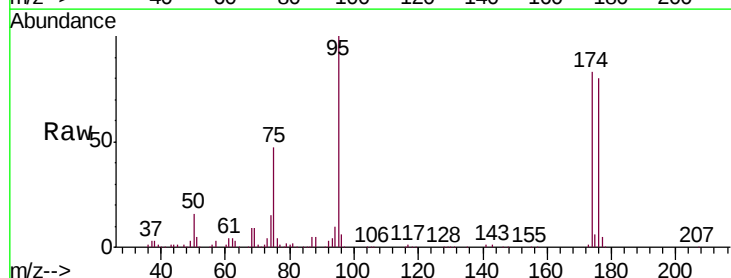
Tgt Ion: 95 Resp: 135541

Ion Ratio Lower Upper

95 100

174 84.0 0.0 150.4

176 81.4 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

40000

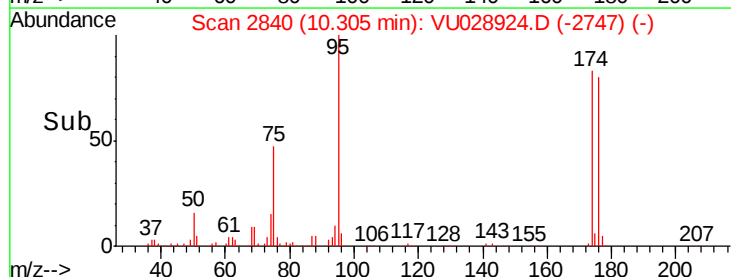
20000

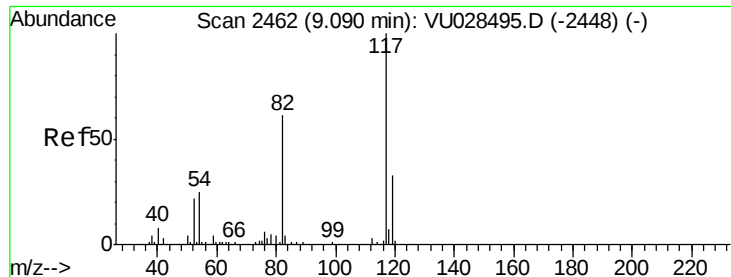
0

10.30

10.40

Time-->

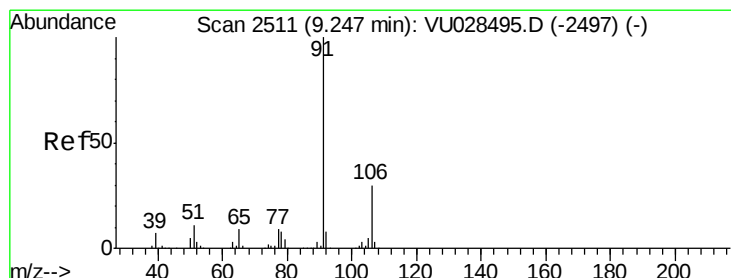
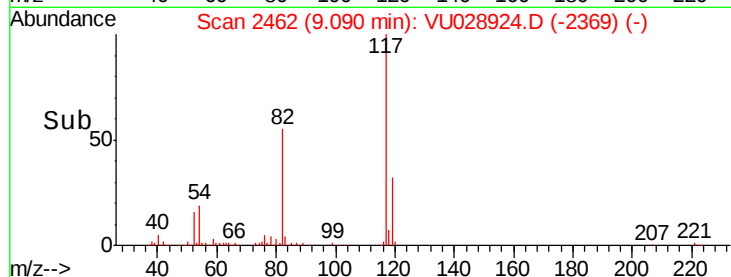
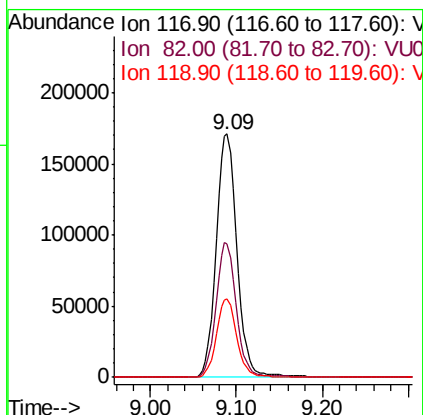
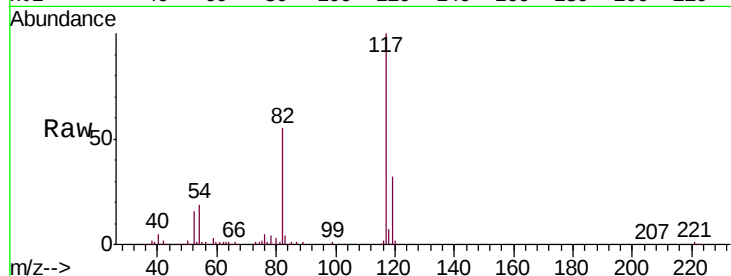




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028924.D
Acq: 22 Dec 2018 19:02

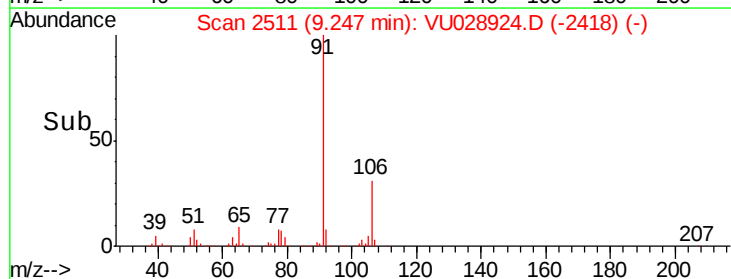
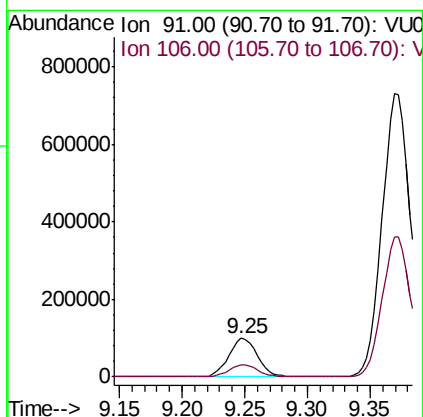
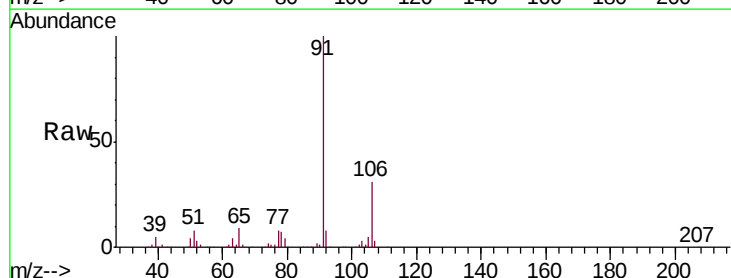
Instrument :
MSVOA_U
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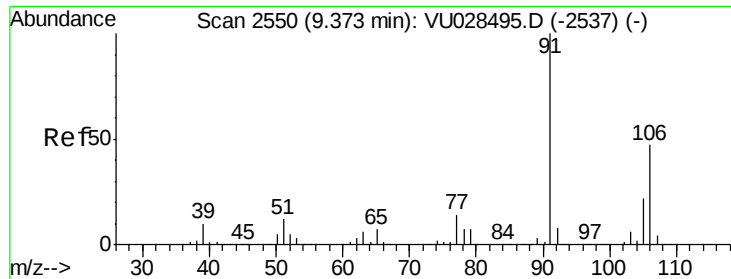
Tgt Ion:117 Resp: 288630
Ion Ratio Lower Upper
117 100
82 54.9 48.9 73.3
119 32.0 26.2 39.4



#67
Ethyl Benzene
Concen: 14.382 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028924.D
Acq: 22 Dec 2018 19:02

Tgt Ion: 91 Resp: 162613
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

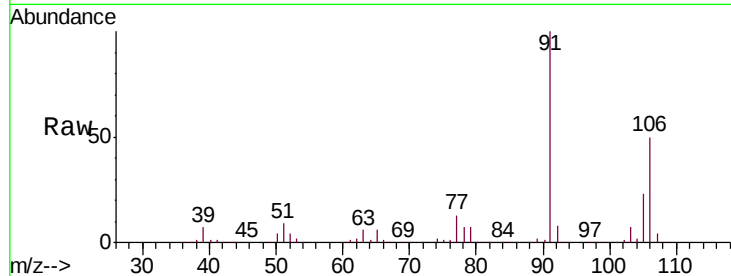




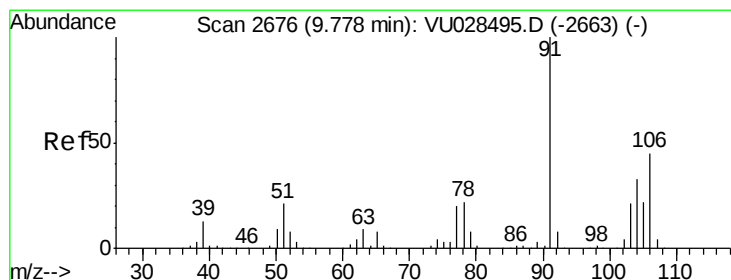
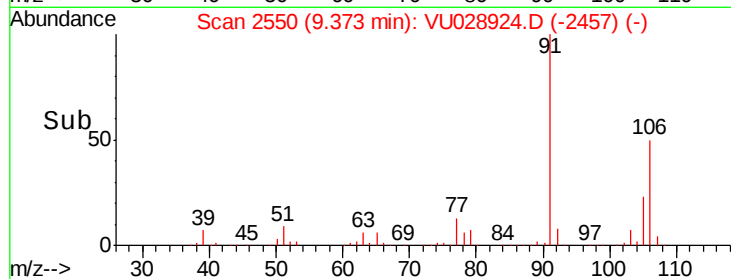
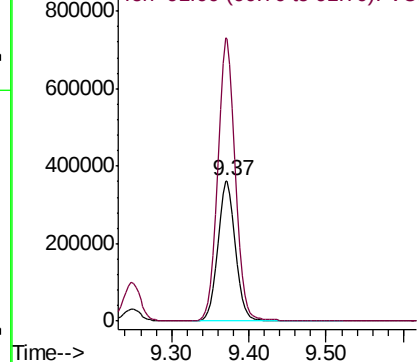
#68
m/p-Xylenes
Concen: 143.030 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028924.D
Acq: 22 Dec 2018 19:02

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01MEDL

Tgt Ion:106 Resp: 588443
Ion Ratio Lower Upper
106 100
91 201.6 167.4 251.0

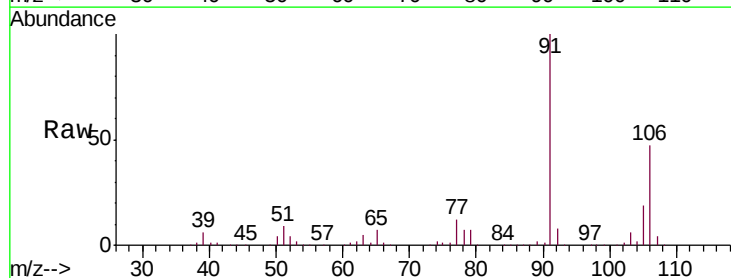


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

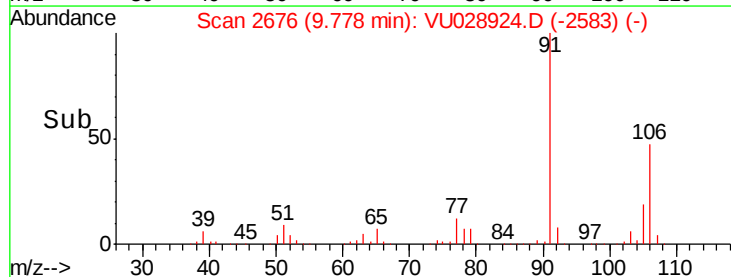
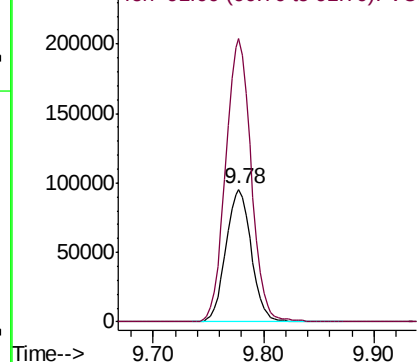


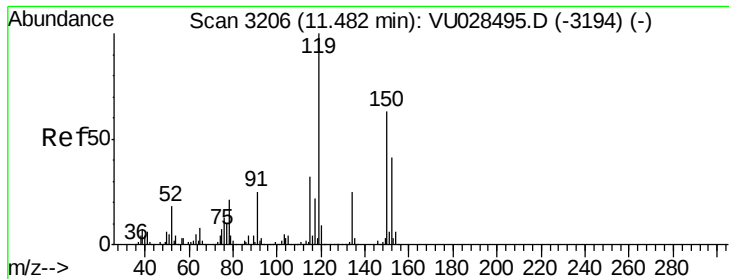
#69
o-Xylene
Concen: 38.126 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028924.D
Acq: 22 Dec 2018 19:02

Tgt Ion:106 Resp: 152431
Ion Ratio Lower Upper
106 100
91 215.2 111.3 334.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028924.D

Acq: 22 Dec 2018 19:02

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01MEDL

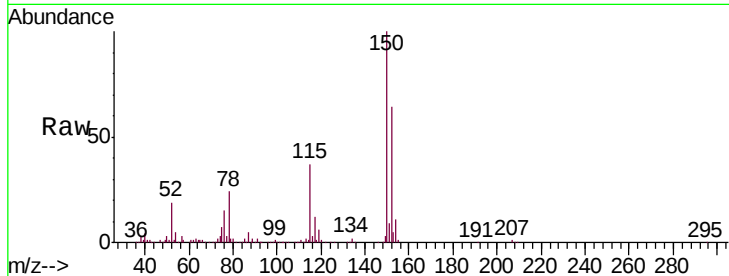
Tgt Ion:152 Resp: 128155

Ion Ratio Lower Upper

152 100

115 58.0 42.7 128.1

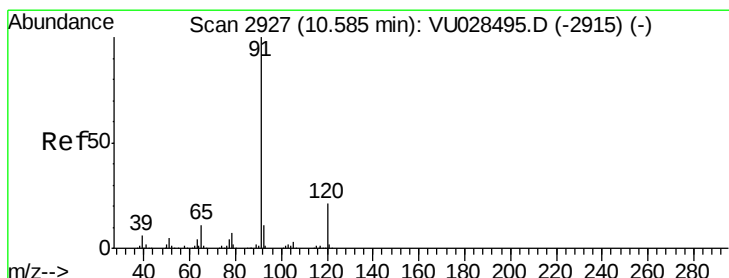
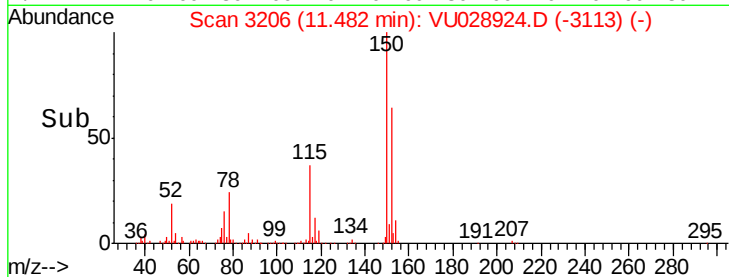
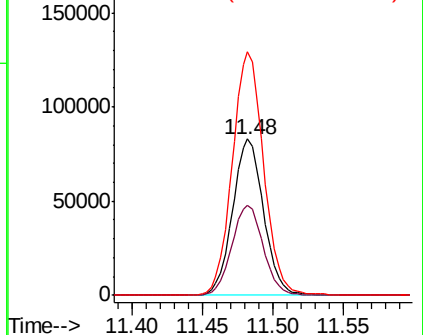
150 157.4 0.0 346.0



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



#78

n-propylbenzene

Concen: 1.198 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028924.D

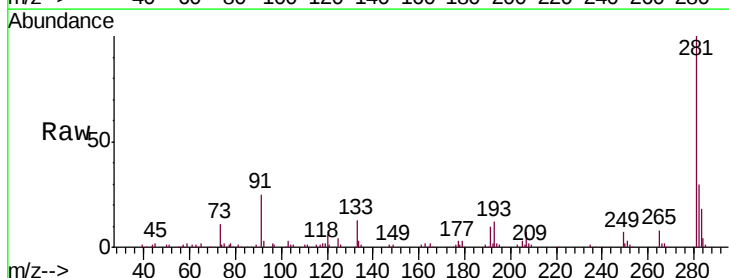
Acq: 22 Dec 2018 19:02

Tgt Ion: 91 Resp: 14638

Ion Ratio Lower Upper

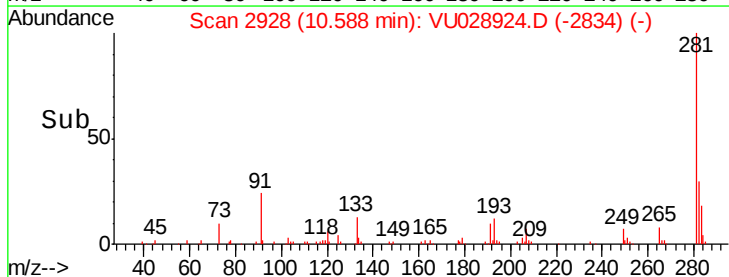
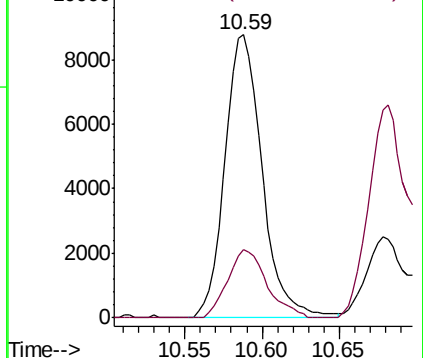
91 100

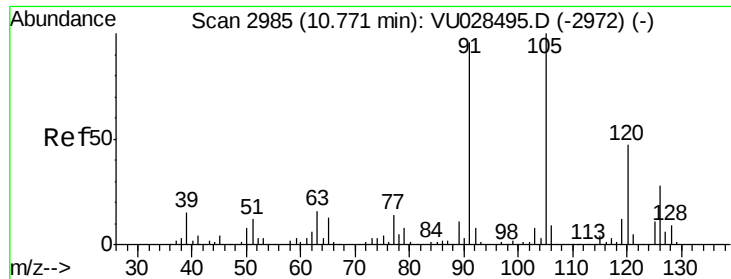
120 25.4 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

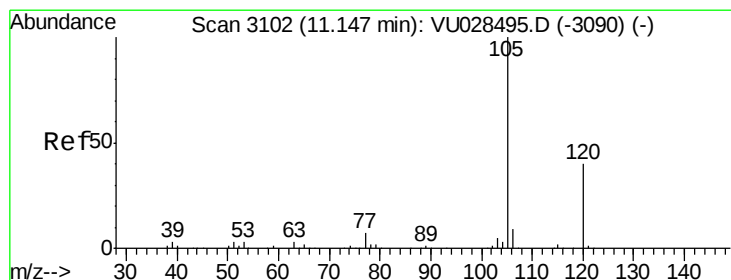
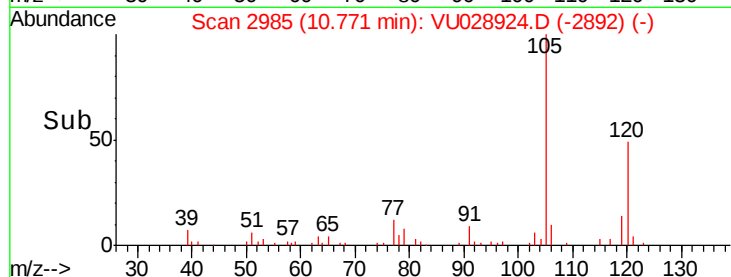
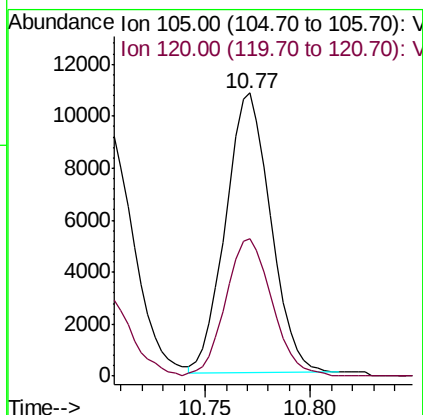
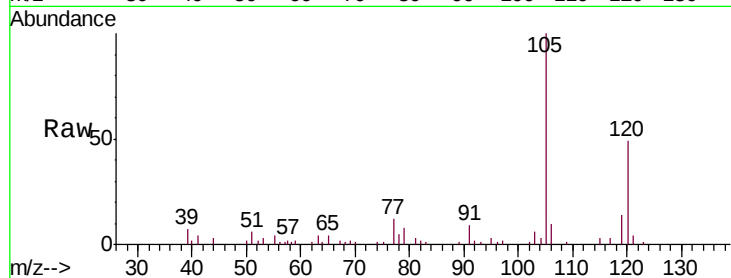




#80
 1,3,5-Trimethylbenzene
 Concen: 1.964 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028924.D
 Acq: 22 Dec 2018 19:02

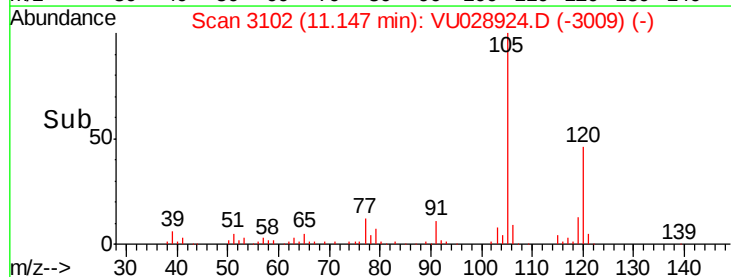
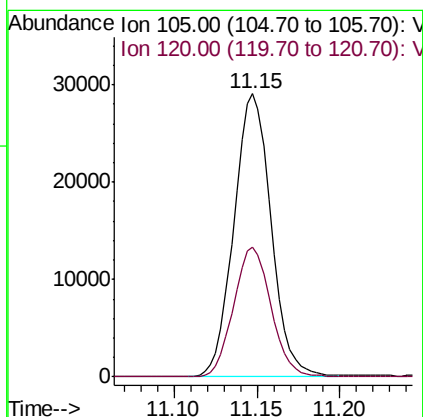
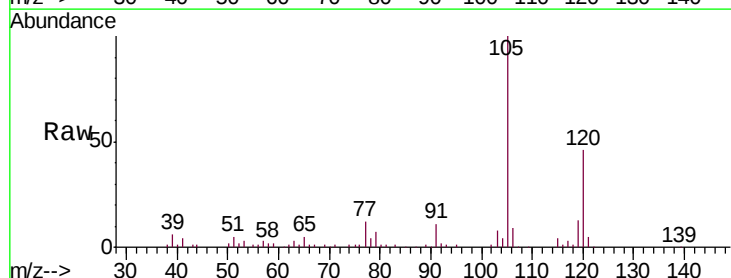
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01MEDL

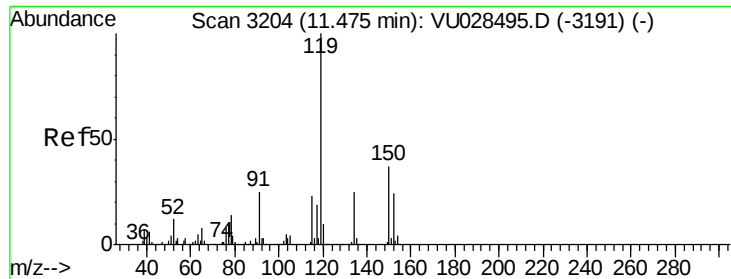
Tgt Ion:105 Resp: 15989
 Ion Ratio Lower Upper
 105 100
 120 50.4 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 5.412 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028924.D
 Acq: 22 Dec 2018 19:02

Tgt Ion:105 Resp: 45402
 Ion Ratio Lower Upper
 105 100
 120 45.9 21.8 65.4

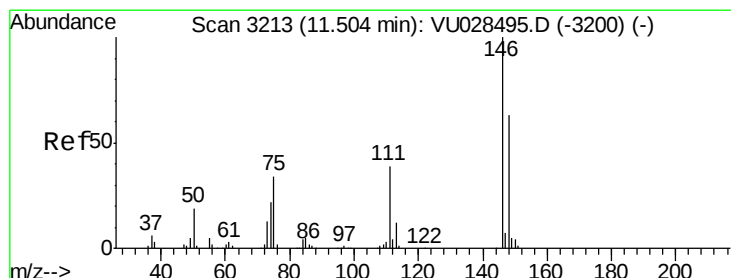
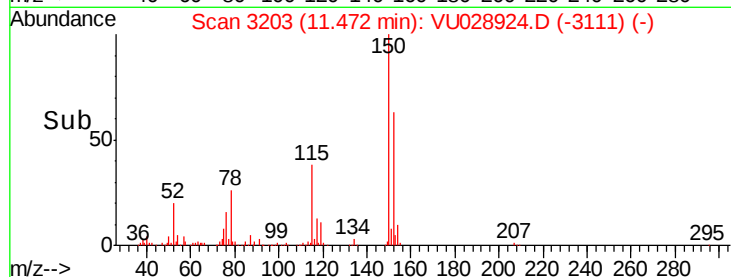
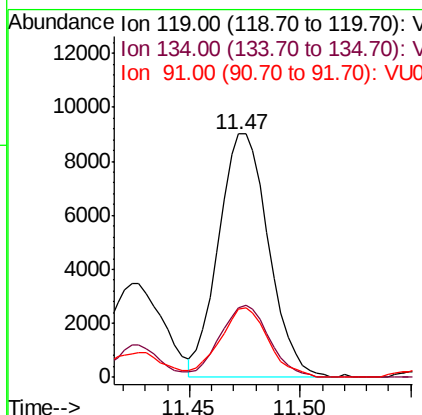
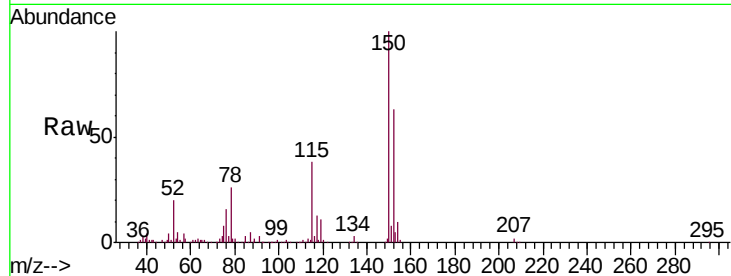




#86
 p-Isopropyltoluene
 Concen: 1.656 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU028924.D
 Acq: 22 Dec 2018 19:02

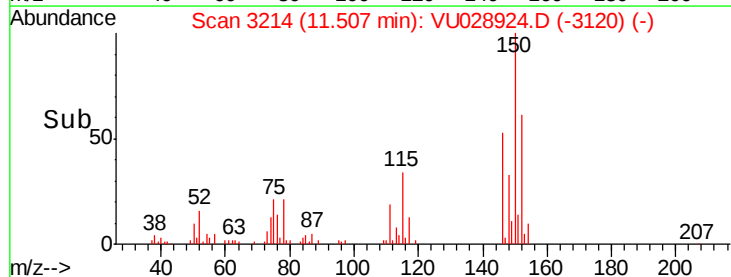
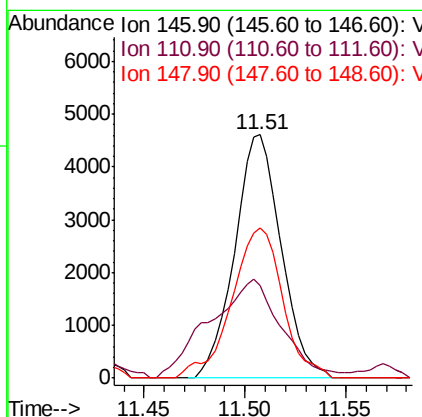
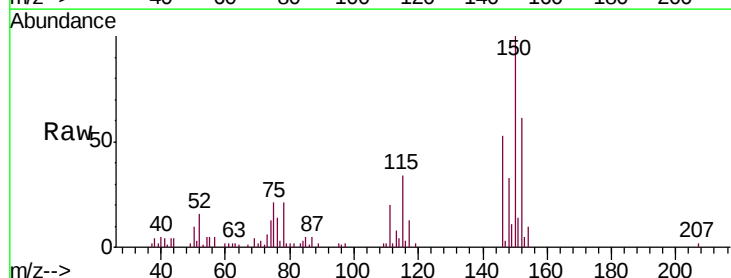
Instrument :
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 ClientSampleId :
 P001-SS013A-2430-01MEDL

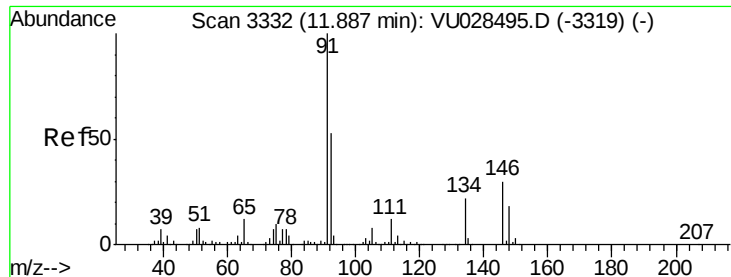
Tgt Ion:119 Resp: 14175
 Ion Ratio Lower Upper
 119 100
 134 29.5 12.7 38.1
 91 27.7 12.6 37.6



#88
 1,4-Dichlorobenzene
 Concen: 1.653 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028924.D
 Acq: 22 Dec 2018 19:02

Tgt Ion:146 Resp: 7429
 Ion Ratio Lower Upper
 146 100
 111 62.3 20.2 60.5#
 148 67.6 31.6 95.0

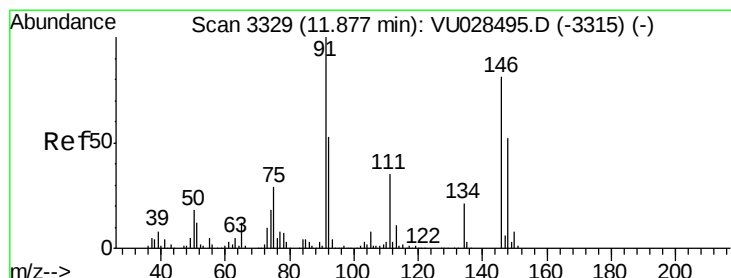
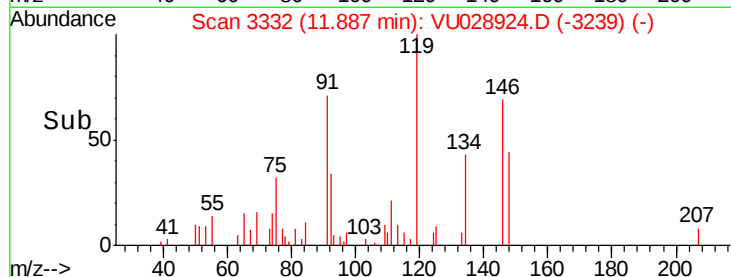
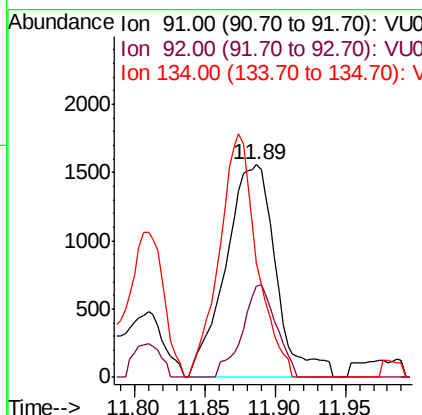
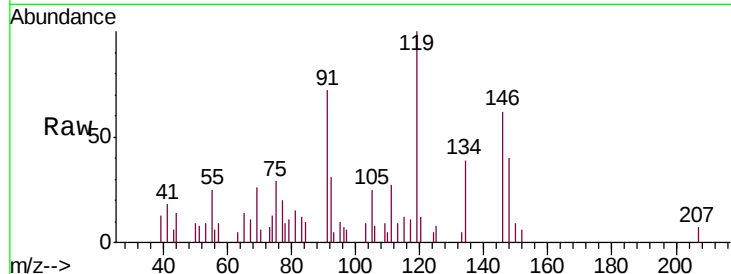




#89
n-Butylbenzene
Concen: 0.448 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028924.D
Acq: 22 Dec 2018 19:02

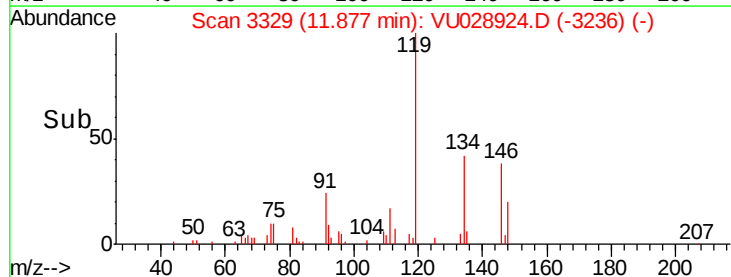
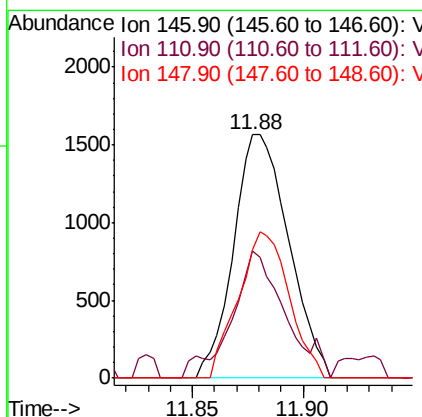
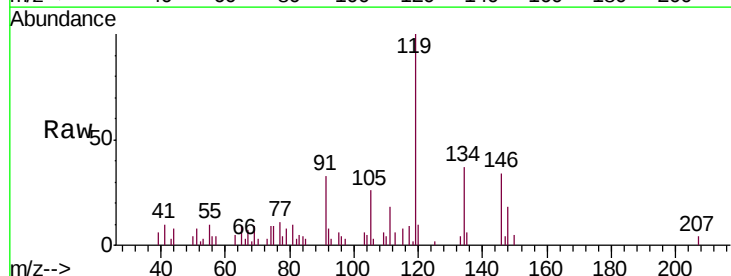
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01MEDL

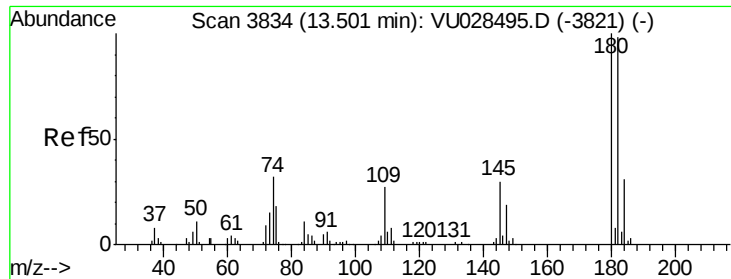
Tgt Ion: 91 Resp: 3881
Ion Ratio Lower Upper
91 100
92 29.6 26.3 78.9
134 85.3 11.3 33.8#



#91
1,2-Dichlorobenzene
Concen: 0.625 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028924.D
Acq: 22 Dec 2018 19:02

Tgt Ion: 146 Resp: 2713
Ion Ratio Lower Upper
146 100
111 50.6 21.1 63.4
148 55.3 31.4 94.2

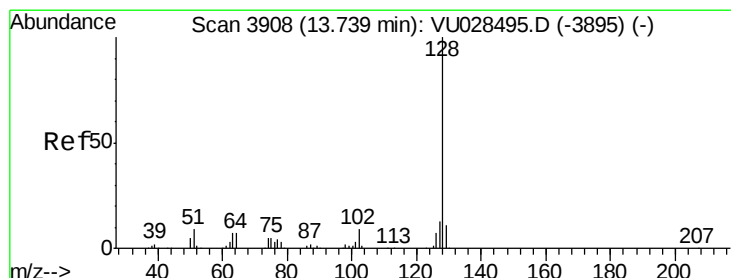
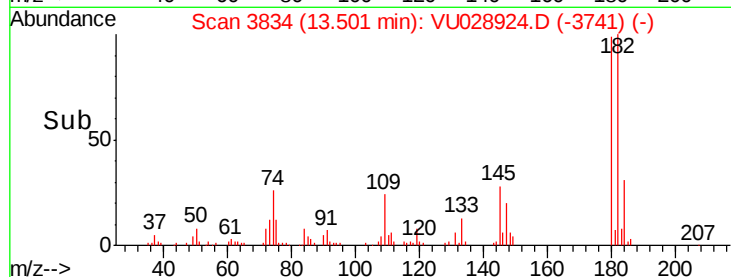
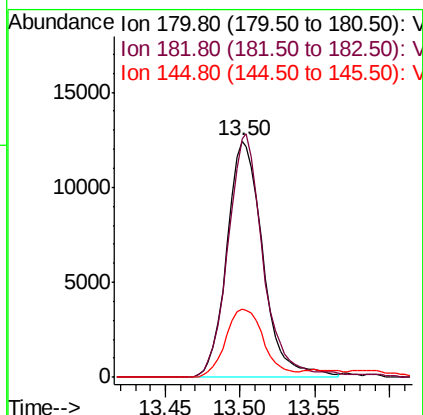
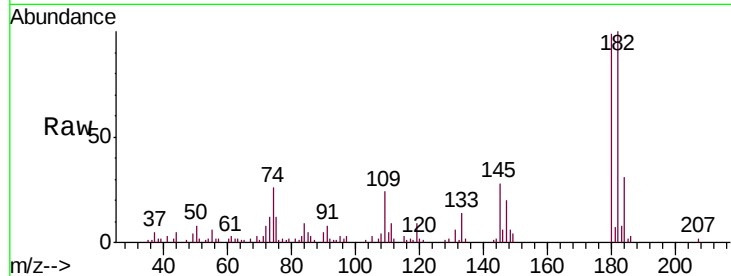




#93
 1,2,4-Trichlorobenzene
 Concen: 7.714 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028924.D
 Acq: 22 Dec 2018 19:02

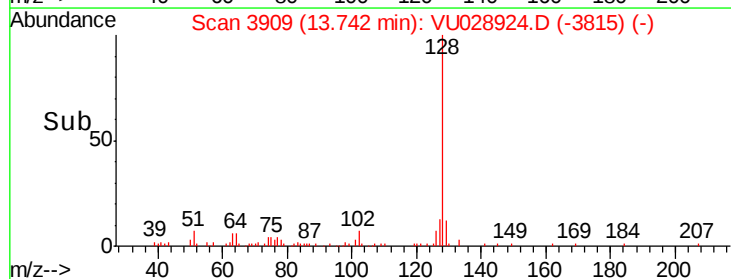
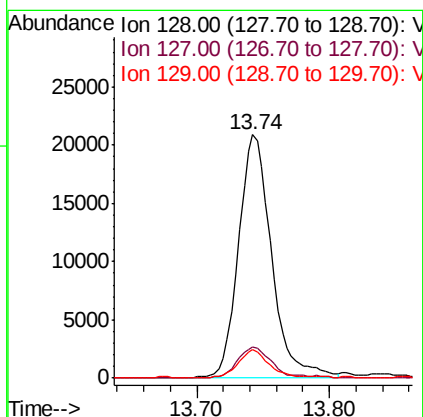
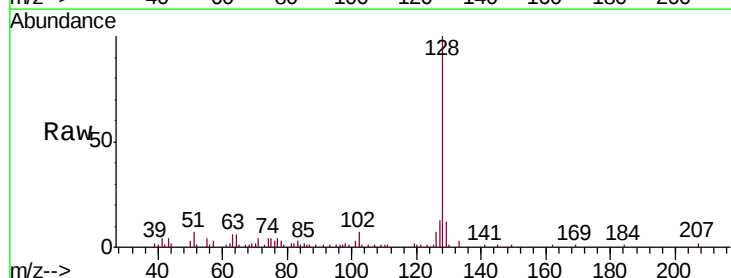
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01MEDL

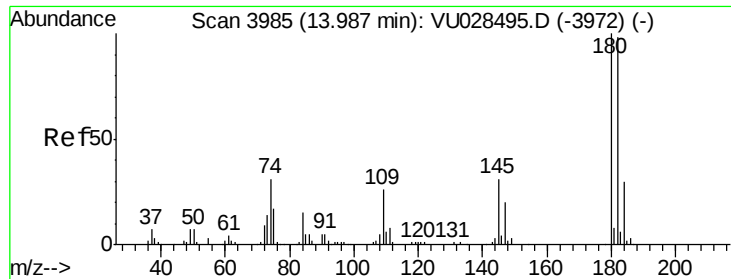
Tgt Ion	Resp	Lower	Upper
180	100		
182	100.7	47.9	143.8
145	31.0	15.0	45.1



#95
 Naphthalene
 Concen: 3.488 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: VU028924.D
 Acq: 22 Dec 2018 19:02

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

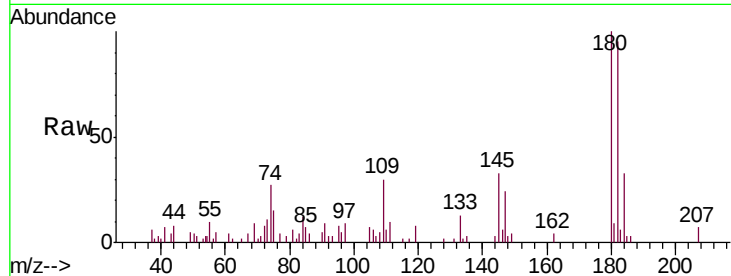




#96
 1,2,3-Trichlorobenzene
 Concen: 3.724 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU028924.D
 Acq: 22 Dec 2018 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01MEDL

Tgt Ion	Resp	Lower	Upper
180	10660		
182	91.0	48.2	144.6
145	42.9	15.8	47.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

