

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072319\
 Data File : VU033379.D
 Acq On : 23 Jul 2019 14:10
 Operator : JC/SP
 Sample : K3860-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-UNRVOA-WS

Quant Time: Jul 25 11:41:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 23 03:43:51 2019
 Response via : Initial Calibration

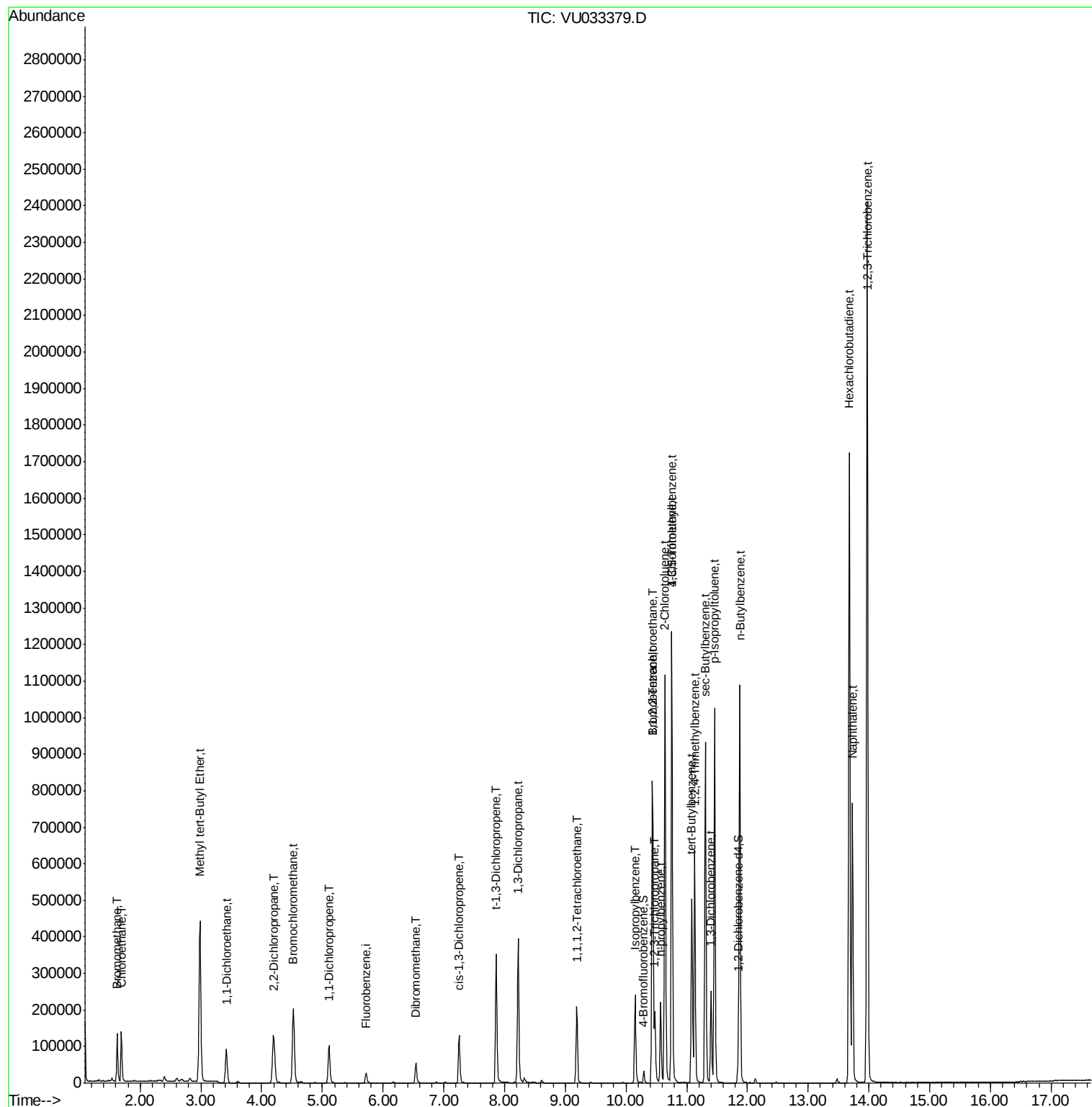
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	27309	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	11031	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	12792	1.16	ug/l	0.00
Spiked Amount 1.000			Recovery	=	116.00%	
Target Compounds						Ovalue
5) Bromomethane	1.62	94	58609	6.693	ug/l	95
6) Chloroethane	1.69	64	85487	8.751	ug/l	98
17) 1,1-Dichloroethane	3.42	63	96229	6.222	ug/l	99
21) 2,2-Dichloropropane	4.20	77	102010	7.785	ug/l	95
25) Methyl tert-Butyl Ether	2.98	73	451234	16.150	ug/l	98
26) Bromochloromethane	4.52	128	67316	17.529	ug/l	98
29) 1,1-Dichloropropene	5.11	75	57552	5.099	ug/l	99
43) Dibromomethane	6.54	93	23419	4.701	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	195763	19.541	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	77761	6.574	ug/l	97
53) 1,3-Dichloropropane	8.22	76	229319	20.385	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	54342	6.681	ug/l	99
69) Isopropylbenzene	10.15	105	146985	4.350	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.44	83	106639	12.086	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	75386	11.067	ug/l #	96
72) Bromobenzene	10.44	156	174186	19.517	ug/l	98
73) n-propylbenzene	10.57	120	36300	3.769	ug/l	97
74) 2-Chlorotoluene	10.64	126	204665	23.279	ug/l	97
75) 1,3,5-Trimethylbenzene	10.76	105	306518	10.105	ug/l	100
76) 4-Chlorotoluene	10.76	126	126302	13.787	ug/l	96
77) tert-Butylbenzene	11.08	119	217875	7.579	ug/l	91
78) 1,2,4-Trimethylbenzene	11.13	105	341384	11.010	ug/l	100
79) sec-Butylbenzene	11.31	105	608459	15.377	ug/l	100
81) p-Isopropyltoluene	11.46	119	548383	17.046	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	100786	5.313	ug/l	99
84) n-Butylbenzene	11.87	91	571599	17.363	ug/l	99
88) Hexachlorobutadiene	13.68	225	287952	44.116	ug/l	97
89) Naphthalene	13.73	128	565413	22.641	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	678492	66.059	ug/l	98
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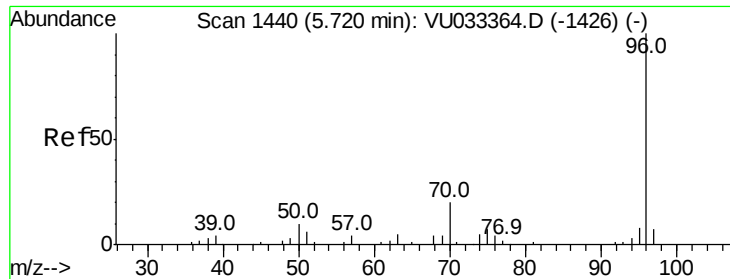
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072319\
Data File : VU033379.D
Acq On : 23 Jul 2019 14:10
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ClientSampleId :
PT-UNRVOA-WS

Quant Time: Jul 25 11:41:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jul 23 03:43:51 2019
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

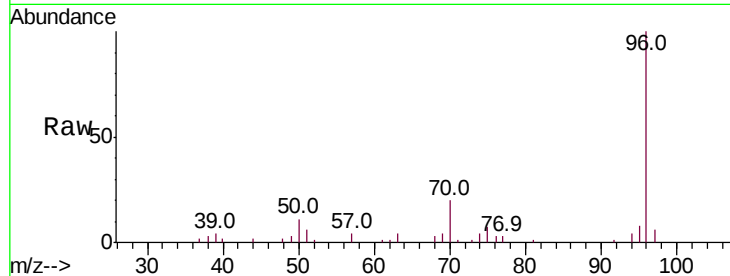
Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WS

Tot Ion: 96 Resp: 27309

Ion	Ratio	Lower	Upper
96	100		
70	21.0	16.4	24.6
95	9.2	6.7	10.1
97	5.8	0.0	0.0#

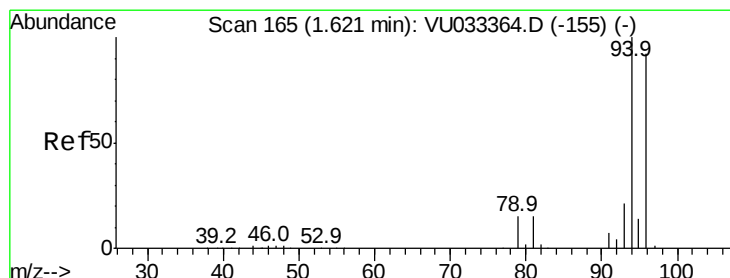
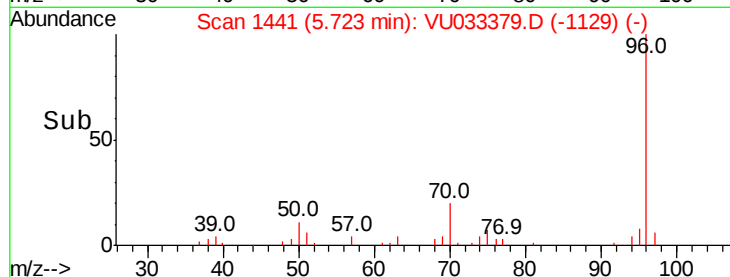
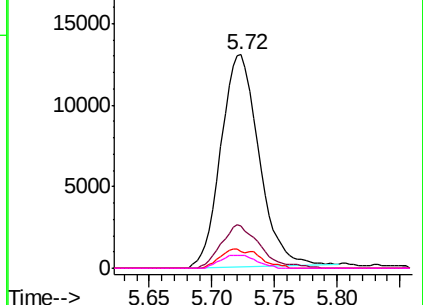


Abundance Ion 96.00 (95.70 to 96.70): VU033364.D (-1426) (-)

Ion 70.00 (69.70 to 70.70): VU033364.D (-1426) (-)

Ion 95.00 (94.70 to 95.70): VU033364.D (-1426) (-)

Ion 97.00 (96.70 to 97.70): VU033364.D (-1426) (-)



#5

Bromomethane

Concen: 6.693 ug/l

RT: 1.62 min Scan# 165

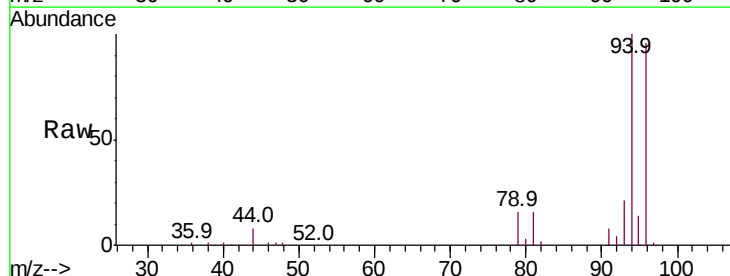
Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

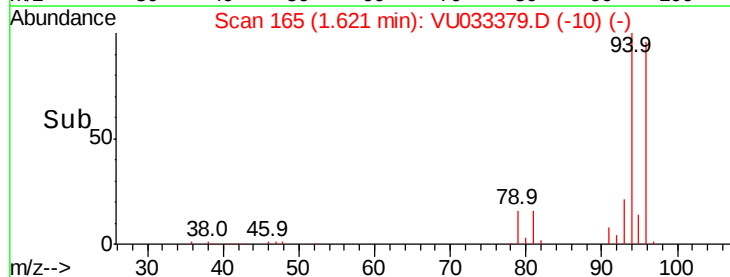
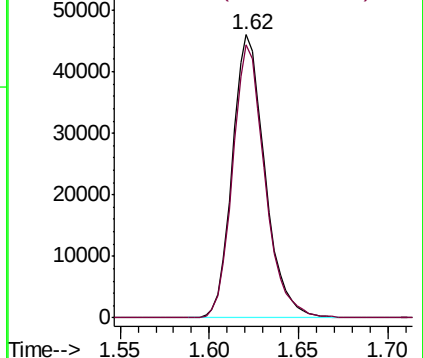
Tgt Ion: 94 Resp: 58609

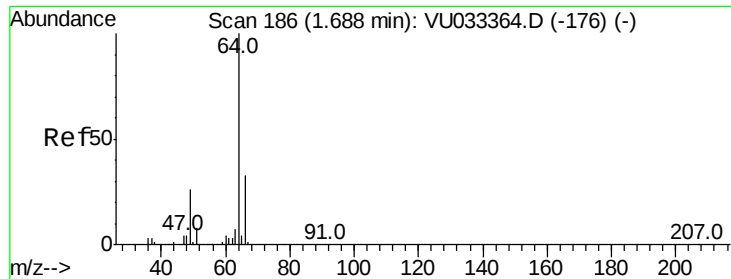
Ion	Ratio	Lower	Upper
94	100		
96	96.4	73.2	109.8



Abundance Ion 94.00 (93.70 to 94.70): VU033364.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU033364.D (-155) (-)





#6

Chloroethane

Concen: 8.751 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

Instrument :

MSVOA_U

ClientSampleId :

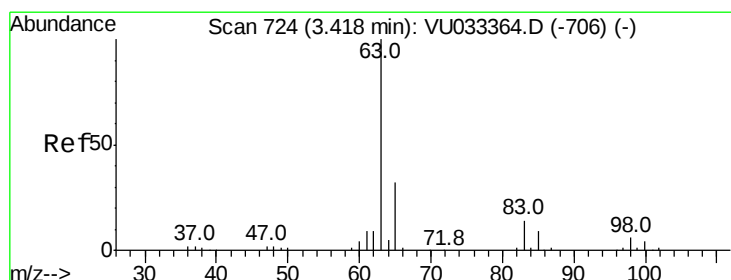
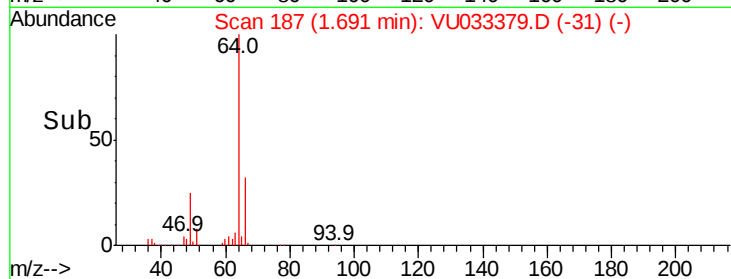
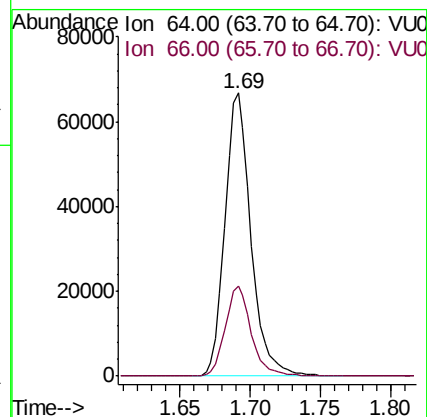
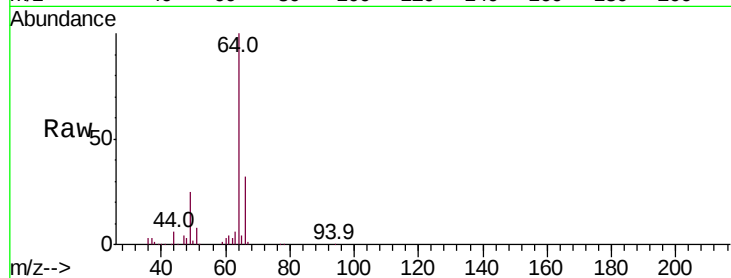
PT-UNRVOA-WS

Tot Ion: 64 Resp: 85487

Ion Ratio Lower Upper

64 100

66 31.7 26.4 39.6



#17

1,1-Dichloroethane

Concen: 6.222 ug/l

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

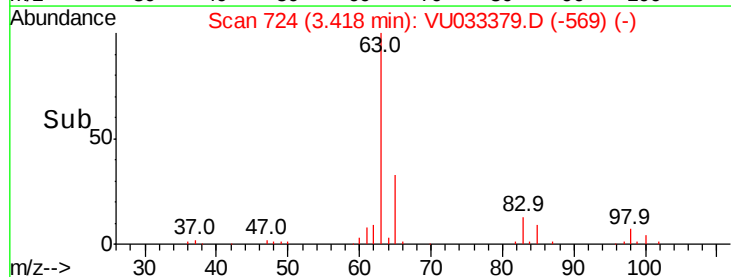
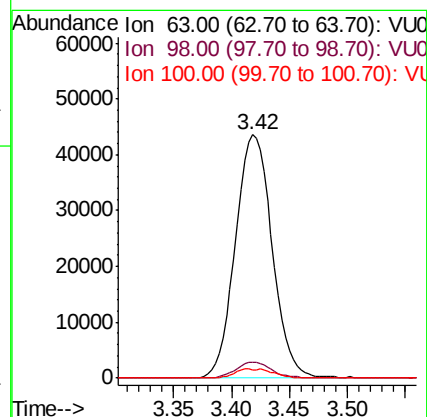
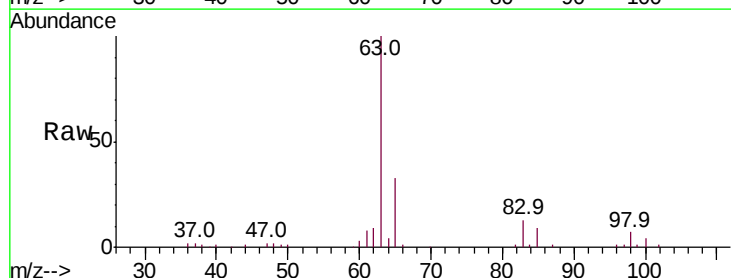
Tgt Ion: 63 Resp: 96229

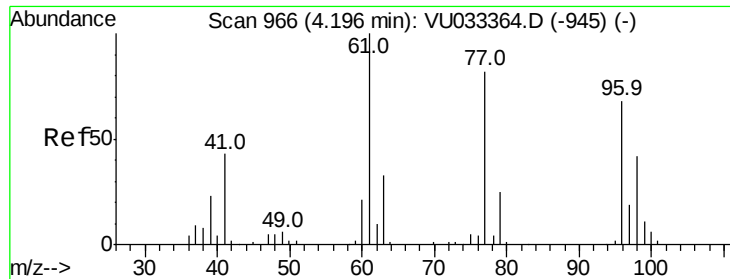
Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

100 3.5 2.1 6.2





#21

2,2-Dichloropropane

Concen: 7.785 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

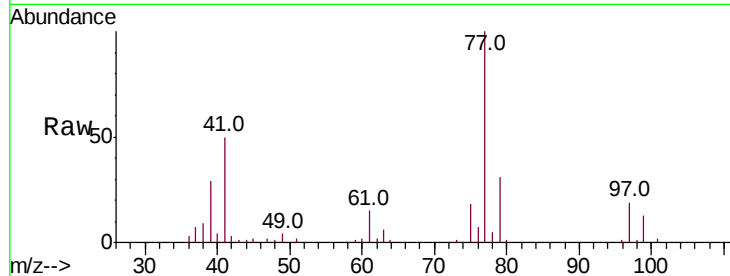
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WS

Tot Ion: 77 Resp: 102010

Ion Ratio Lower Upper

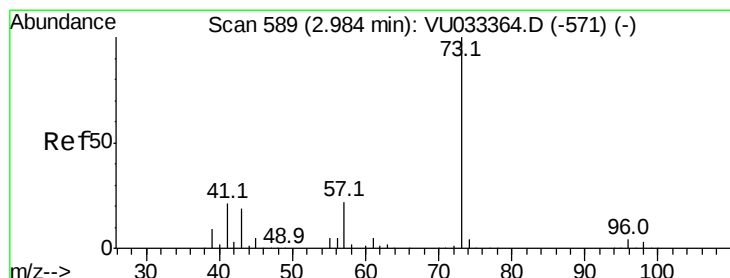
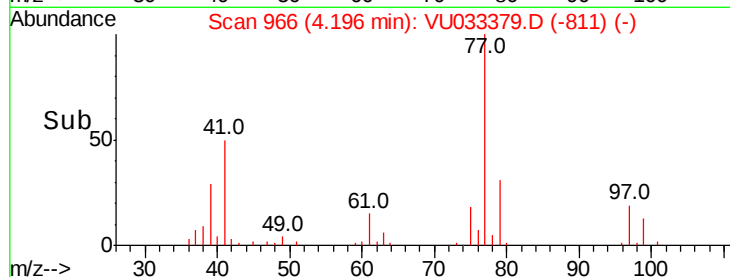
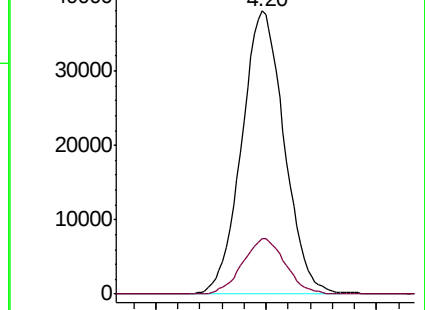
77 100

97 19.7 17.8 26.8



Abundance Ion 77.00 (76.70 to 77.70): VU033364.D (-945) (-)

Ion 97.00 (96.70 to 97.70): VU033364.D (-945) (-)



#25

Methyl tert-Butyl Ether

Concen: 16.150 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033379.D

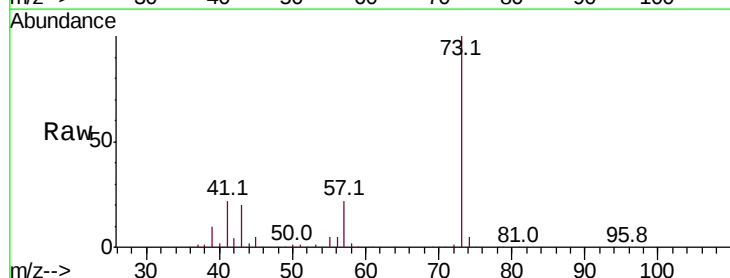
Acq: 23 Jul 2019 14:10

Tgt Ion: 73 Resp: 451234

Ion Ratio Lower Upper

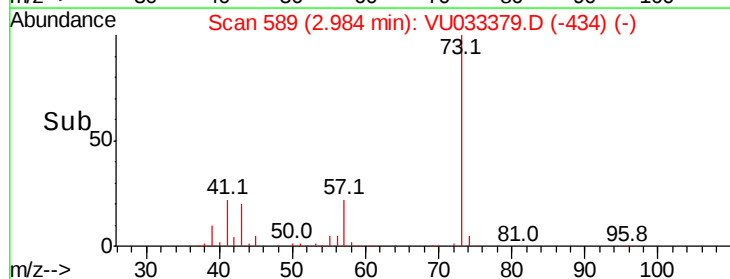
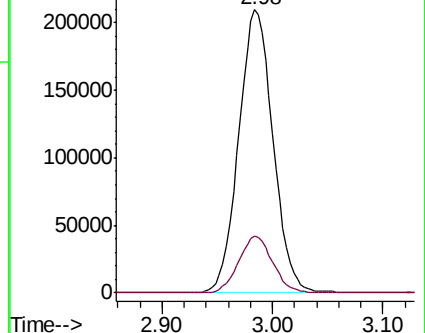
73 100

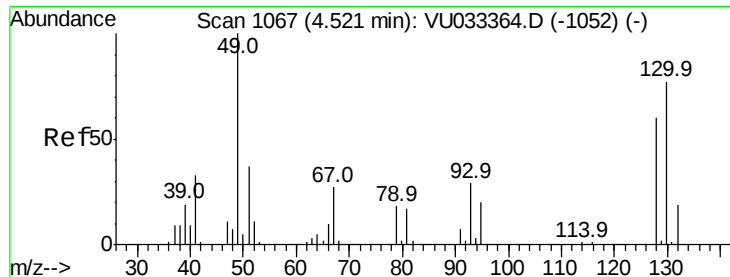
43 19.7 16.6 24.8



Abundance Ion 73.00 (72.70 to 73.70): VU033364.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033364.D (-571) (-)

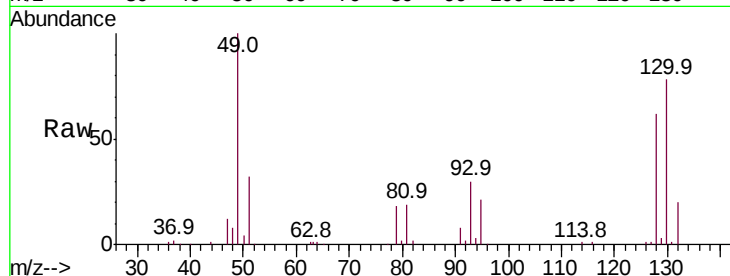




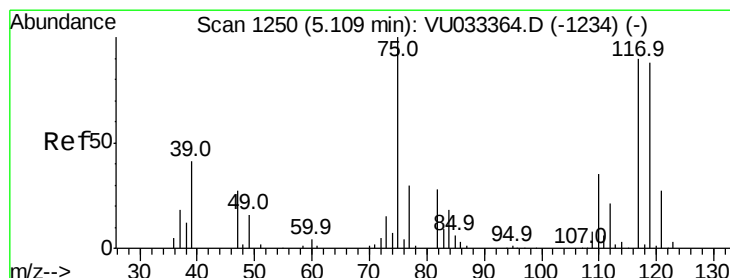
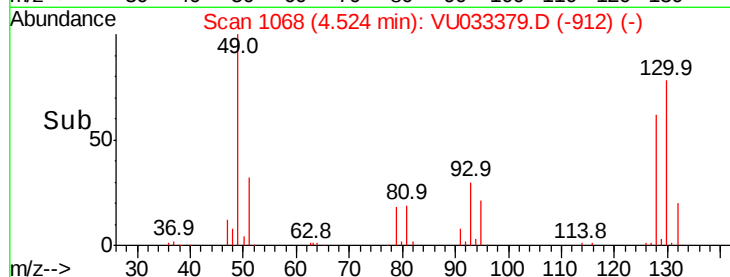
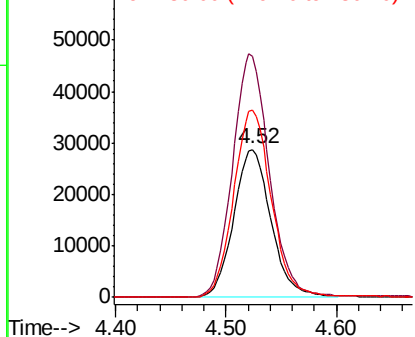
#26
Bromochloromethane
Concen: 17.529 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033379.D
Acq: 23 Jul 2019 14:10

Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WS

Tot Ion:128 Resp: 67316
Ion Ratio Lower Upper
128 100
49 162.7 0.0 333.4
130 127.7 103.4 155.2

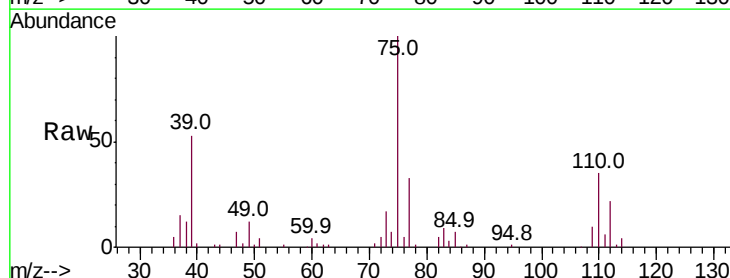


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU
Ion 130.00 (129.70 to 130.70): V

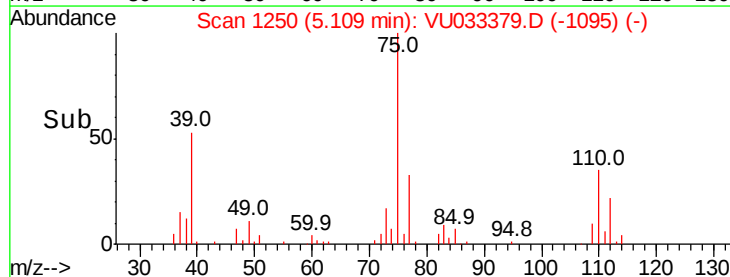
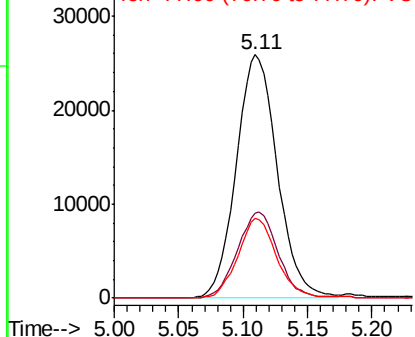


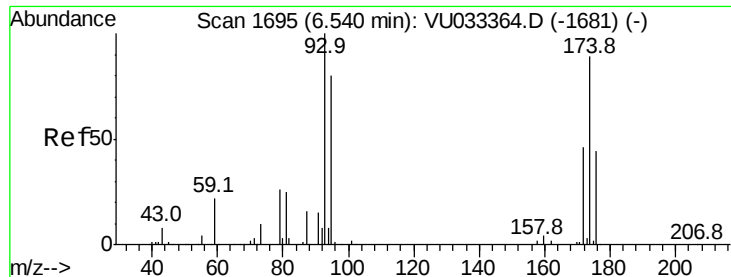
#29
1,1-Dichloropropene
Concen: 5.099 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033379.D
Acq: 23 Jul 2019 14:10

Tgt Ion: 75 Resp: 57552
Ion Ratio Lower Upper
75 100
110 34.9 17.5 52.6
77 30.8 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VU
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VU





#43

Dibromomethane

Concen: 4.701 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

Instrument :

MSVOA_U

ClientSampleId :

PT-UNRVOA-WS

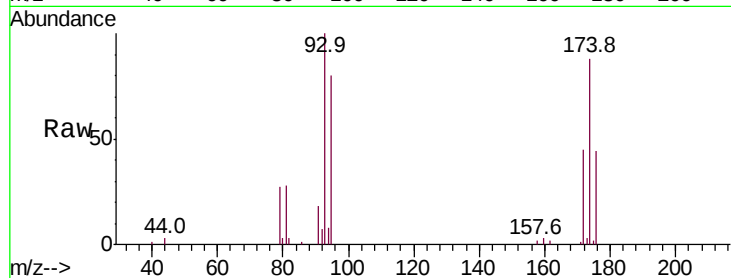
Tot Ion: 93 Resp: 23419

Ion Ratio Lower Upper

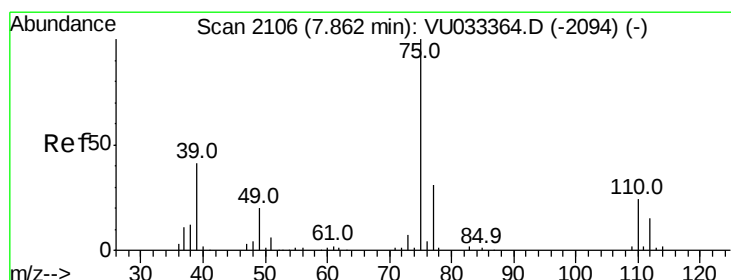
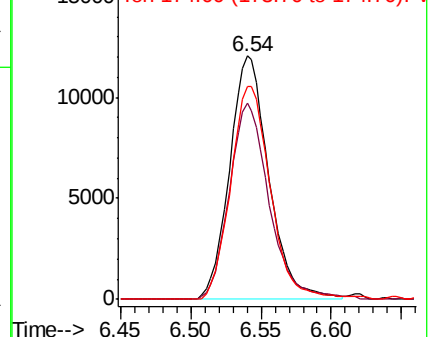
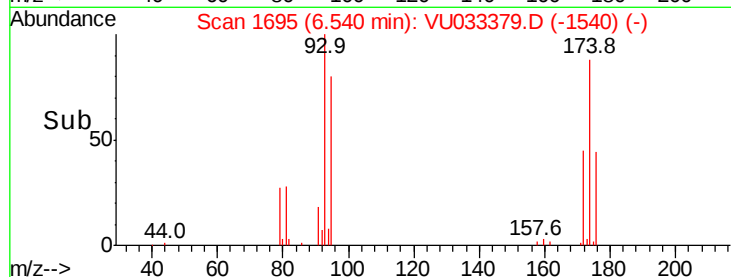
93 100

95 82.2 65.3 97.9

174 89.1 70.7 106.1



Abundance Ion 93.00 (92.70 to 93.70): VU033379.D (-1540) (-)



#50

t-1,3-Dichloropropene

Concen: 19.541 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033379.D

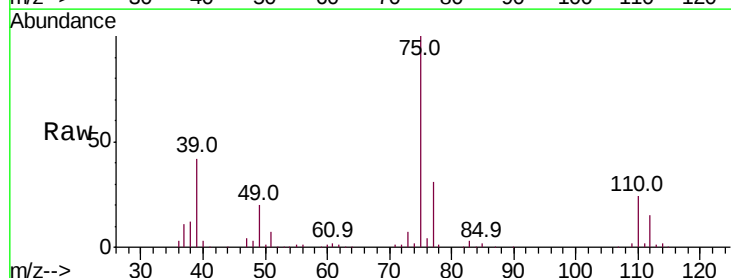
Acq: 23 Jul 2019 14:10

Tgt Ion: 75 Resp: 195763

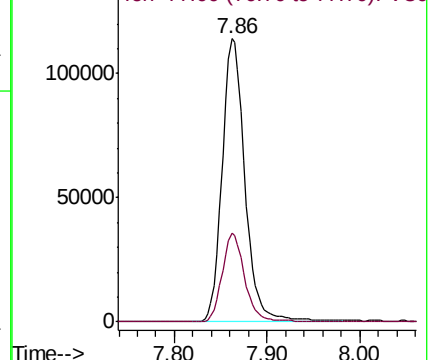
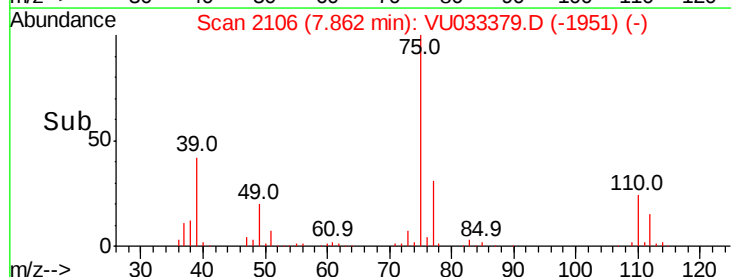
Ion Ratio Lower Upper

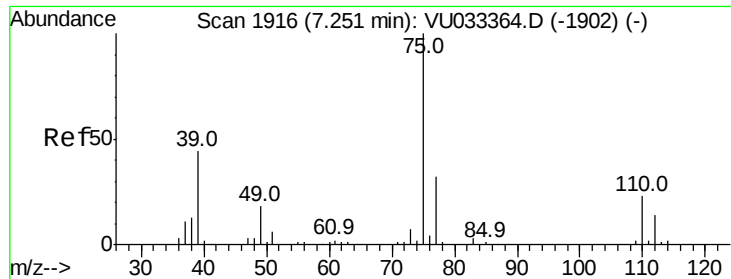
75 100

77 31.2 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU033379.D (-1951) (-)



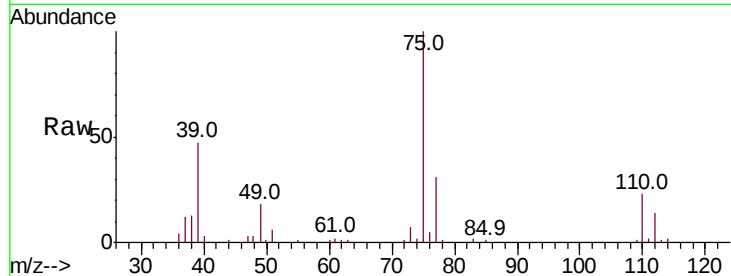


#51

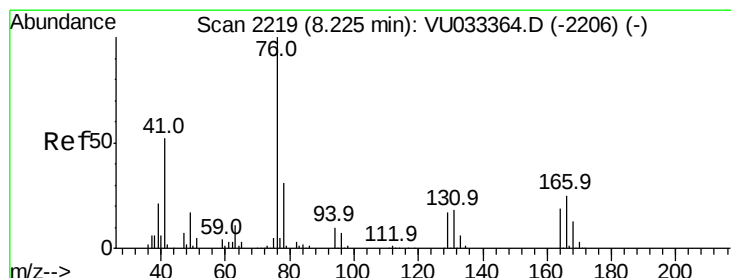
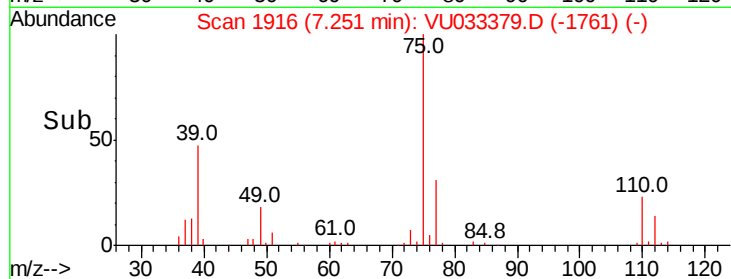
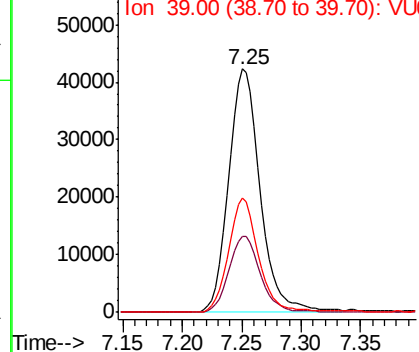
cis-1,3-Dichloropropene
 Concen: 6.574 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033379.D
 Acq: 23 Jul 2019 14:10

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-UNRVOA-WS

Tot Ion: 75 Resp: 77761
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.8 38.8
 39 46.8 35.2 52.8



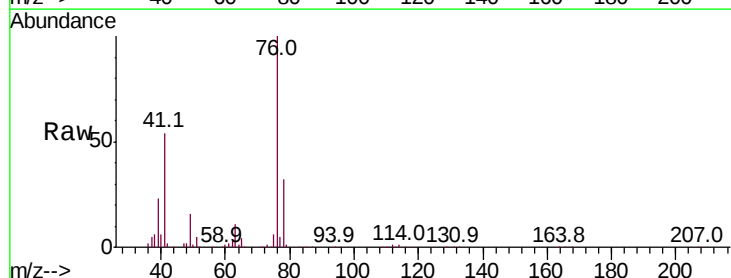
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0



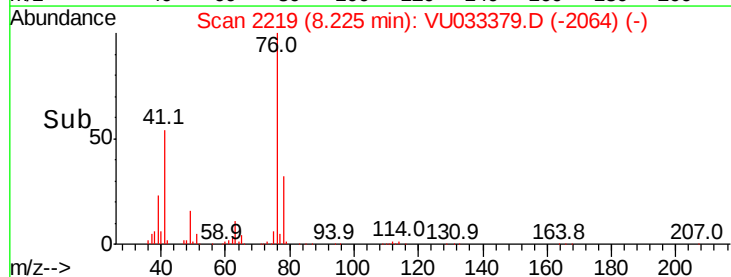
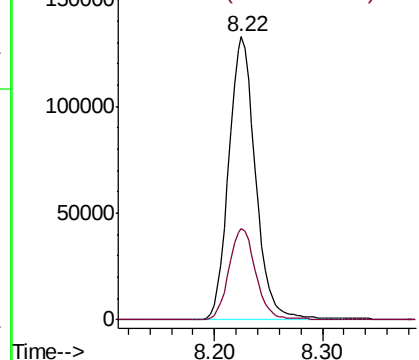
#53

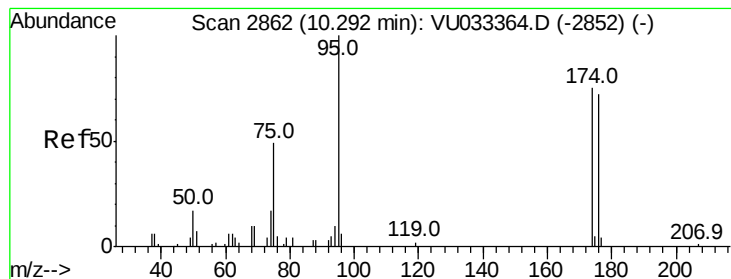
1,3-Dichloropropane
 Concen: 20.385 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU033379.D
 Acq: 23 Jul 2019 14:10

Tgt Ion: 76 Resp: 229319
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



Abundance Ion 76.00 (75.70 to 76.70): VU0
 Ion 78.00 (77.70 to 78.70): VU0





#57

4-Bromofluorobenzene

Concen: 1.029 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

Instrument :

MSVOA_U

ClientSampleId :

PT-UNRVOA-WS

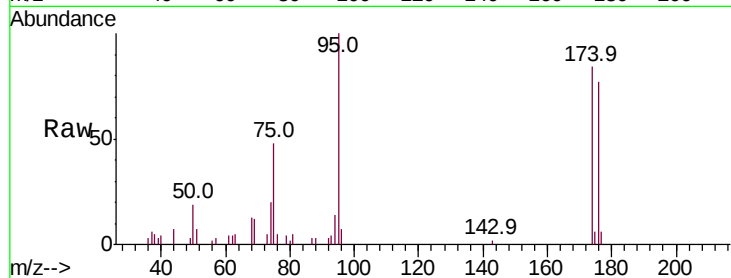
Tot Ion: 95 Resp: 11031

Ion Ratio Lower Upper

95 100

174 79.4 58.8 88.2

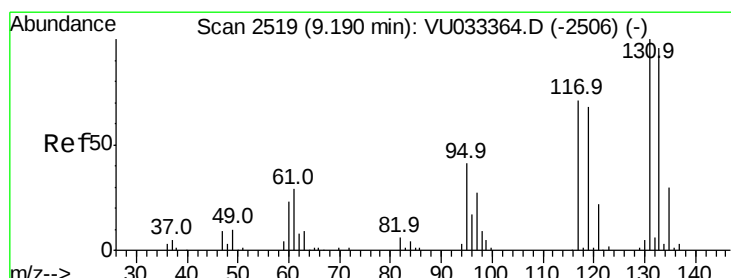
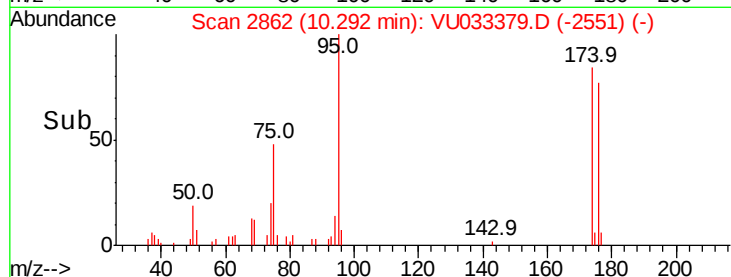
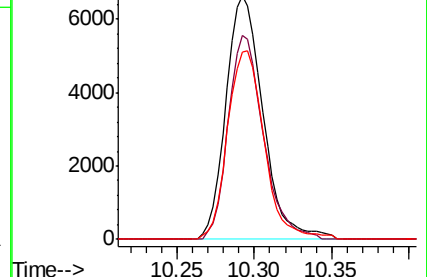
176 76.4 54.4 81.6



Abundance Ion 95.00 (94.70 to 95.70): VU033364.D (-2852) (-)

Ion 174.00 (173.70 to 174.70): VU033364.D (-2852) (-)

Ion 176.00 (175.70 to 176.70): VU033364.D (-2852) (-)



#60

1,1,1,2-Tetrachloroethane

Concen: 6.681 ug/l

RT: 9.19 min Scan# 2520

Delta R.T. 0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

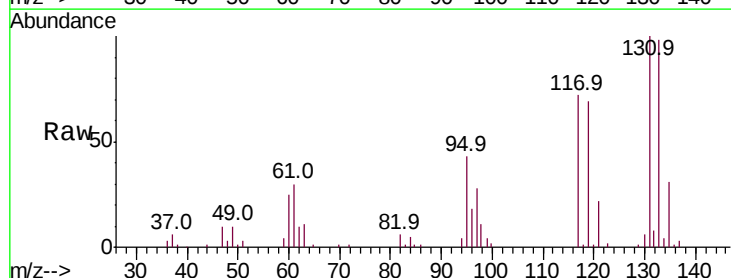
Tgt Ion: 131 Resp: 54342

Ion Ratio Lower Upper

131 100

133 97.5 76.2 114.4

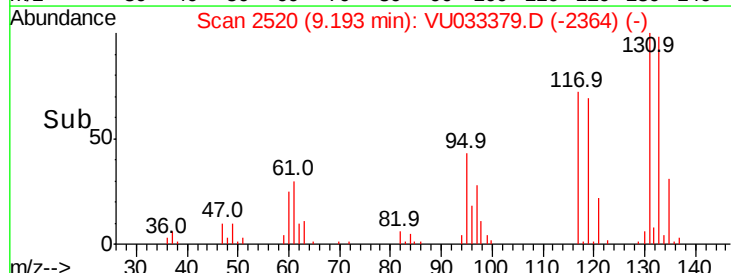
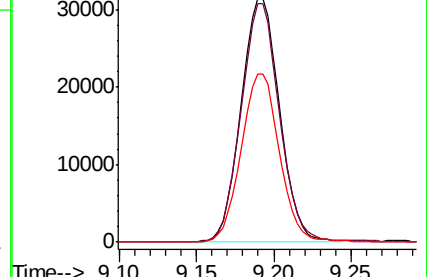
119 68.8 54.9 82.3

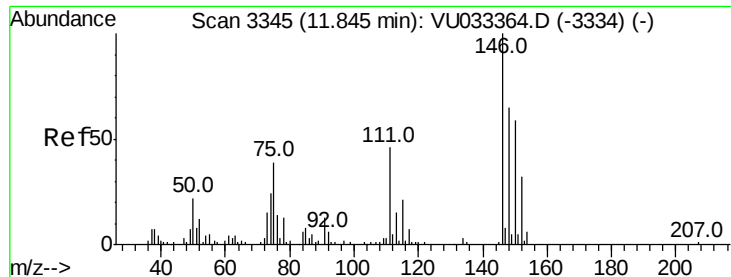


Abundance Ion 131.00 (130.70 to 131.70): VU033364.D (-2506) (-)

Ion 133.00 (132.70 to 133.70): VU033364.D (-2506) (-)

Ion 119.00 (118.70 to 119.70): VU033364.D (-2506) (-)





#68

1,2-Dichlorobenzene-d4

Concen: 1.156 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

Instrument :

MSVOA_U

ClientSampleId :

PT-UNRVOA-WS

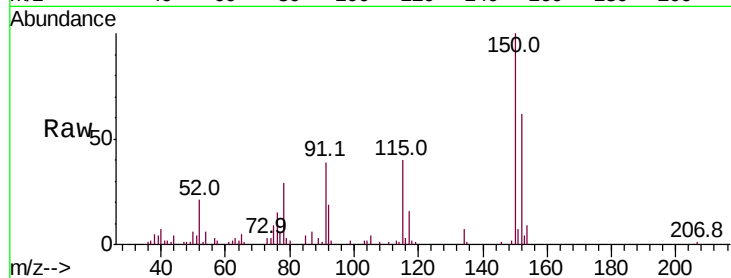
Tot Ion:152 Resp: 12792

Ion Ratio Lower Upper

152 100

115 43.1 0.0 123.2

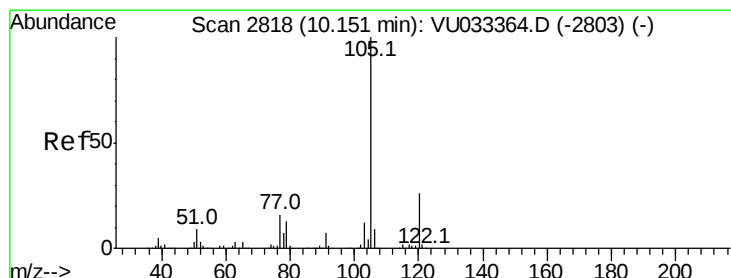
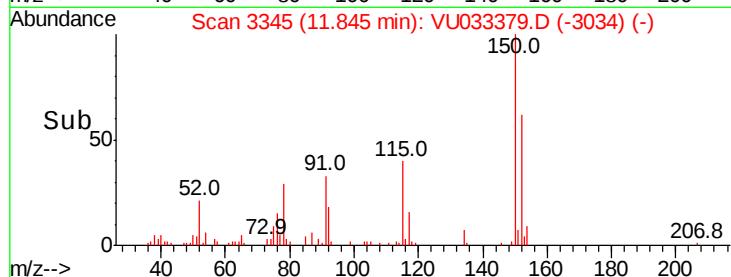
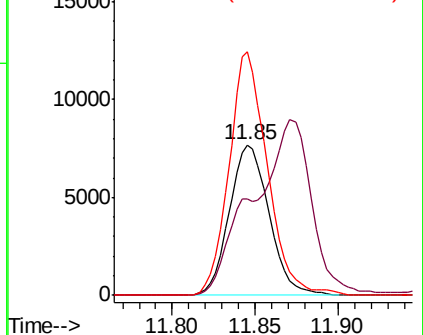
150 154.5 0.0 648.4



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#69

Isopropylbenzene

Concen: 4.350 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033379.D

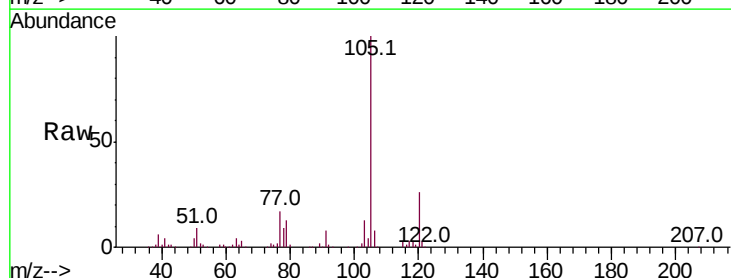
Acq: 23 Jul 2019 14:10

Tgt Ion:105 Resp: 146985

Ion Ratio Lower Upper

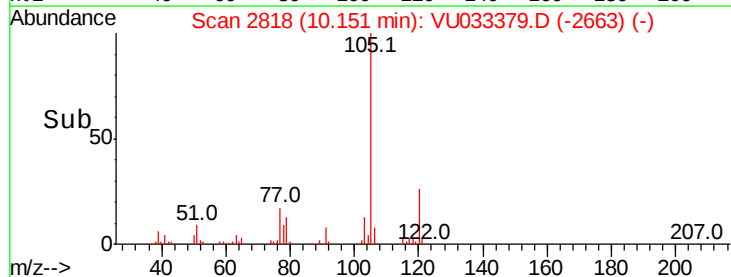
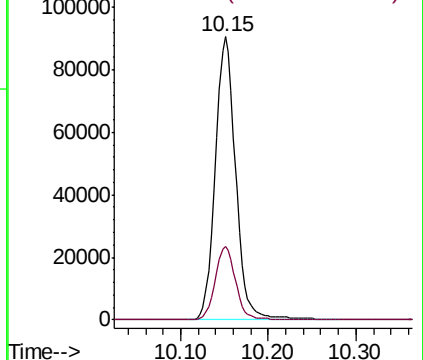
105 100

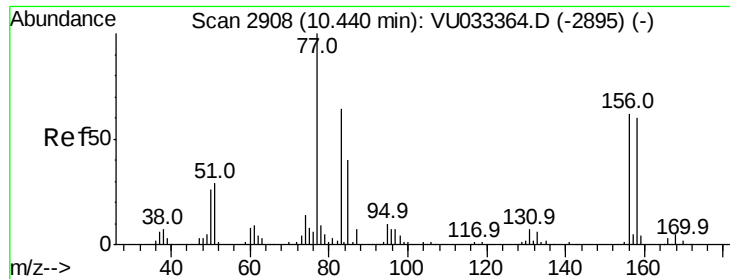
120 25.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 12.086 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

Instrument :

MSVOA_U

ClientSampleId :

PT-UNRVOA-WS

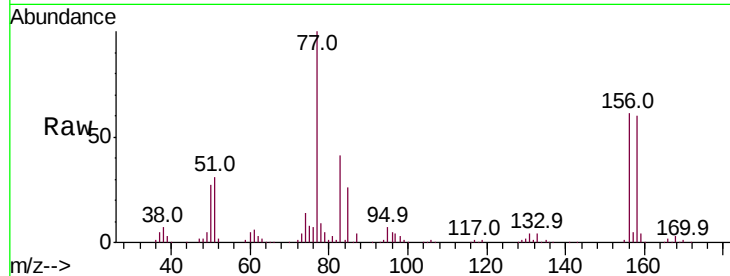
Tot Ion: 83 Resp: 106639

Ion	Ratio	Lower	Upper
83	100		
131	10.2	8.0	12.0
85	63.8	51.8	77.8

83 100

131 10.2 8.0 12.0

85 63.8 51.8 77.8



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

80000

60000

40000

20000

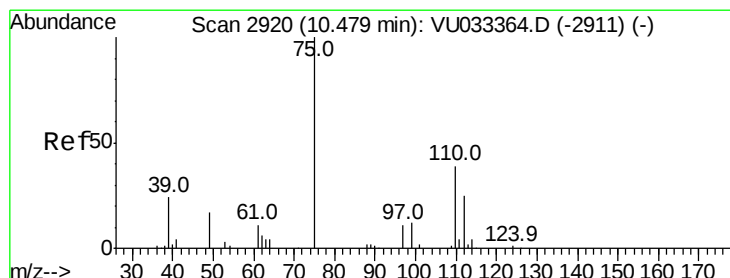
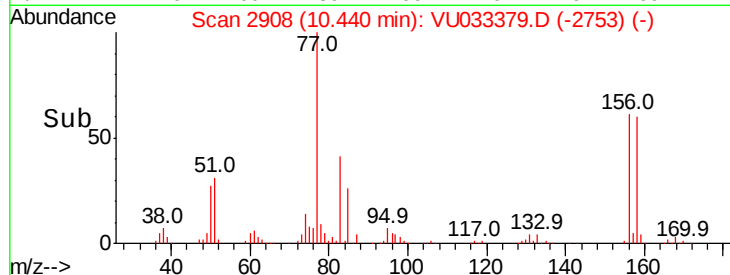
0

10.44

10.40

10.50

Time-->



#71

1,2,3-Trichloropropane

Concen: 11.067 ug/l

RT: 10.48 min Scan# 2920

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

Tgt Ion: 75 Resp: 75386

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	18.2
110	35.5	0.0	71.4
97	18.8	0.0	37.8

75 100

77 0.0 0.0 18.2

110 35.5 0.0 71.4

97 18.8 0.0 37.8

Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

250000

200000

150000

100000

50000

0

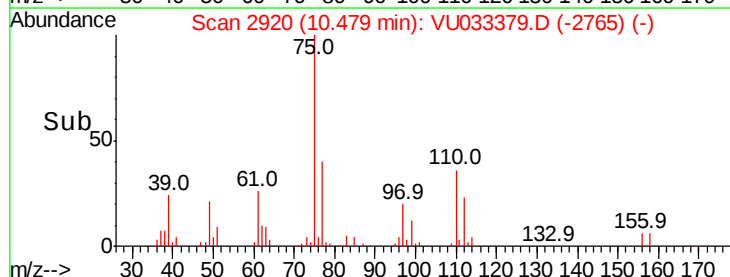
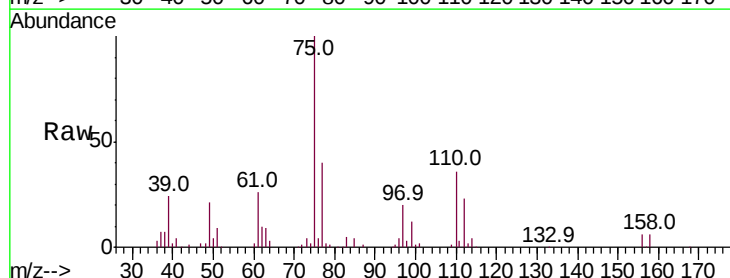
10.48

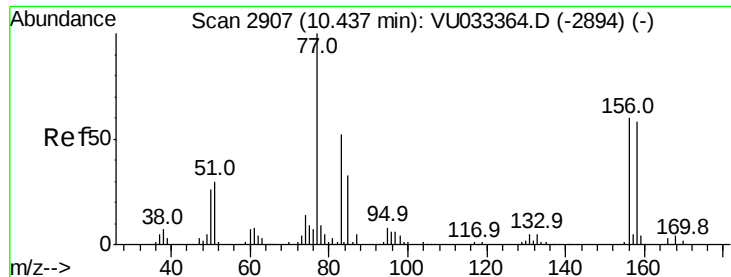
10.45

10.50

10.55

Time-->





#72

Bromobenzene

Concen: 19.517 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

Instrument :

MSVOA_U

ClientSampleId :

PT-UNRVOA-WS

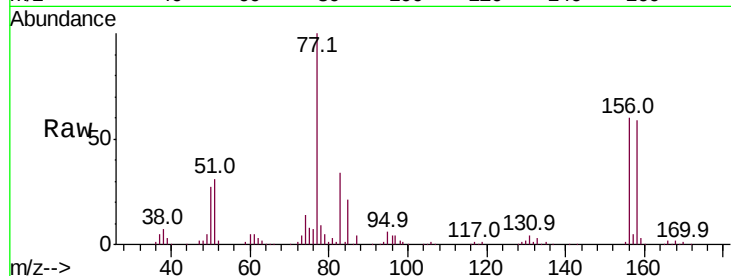
Tot Ion:156 Resp: 174186

Ion Ratio Lower Upper

156 100

77 166.8 0.0 324.4

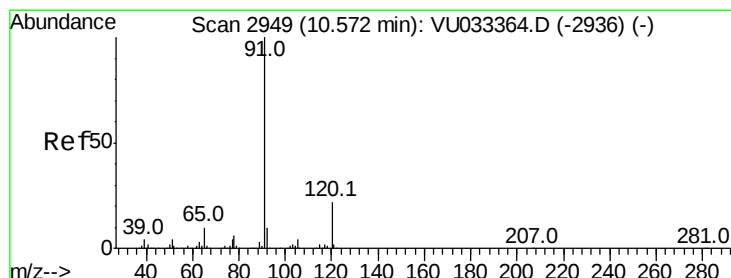
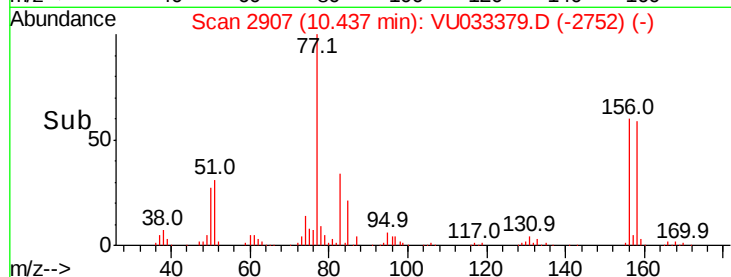
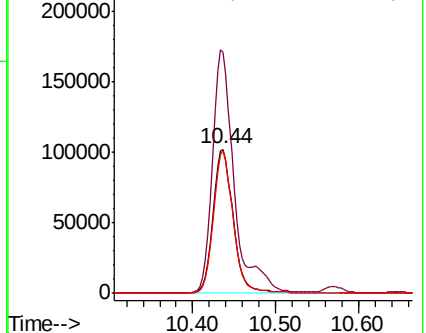
158 95.6 0.0 192.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 3.769 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033379.D

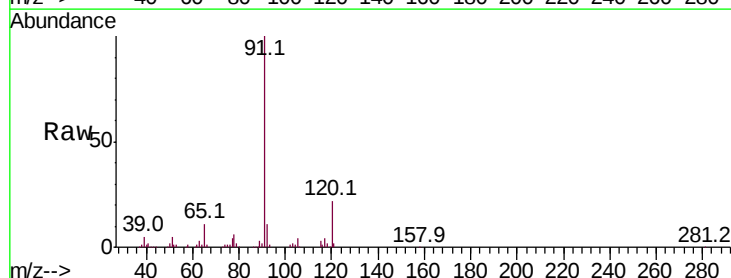
Acq: 23 Jul 2019 14:10

Tgt Ion:120 Resp: 36300

Ion Ratio Lower Upper

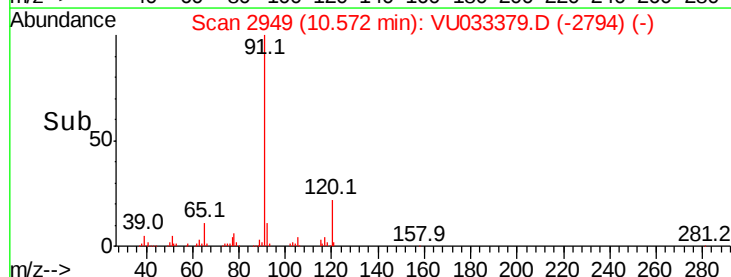
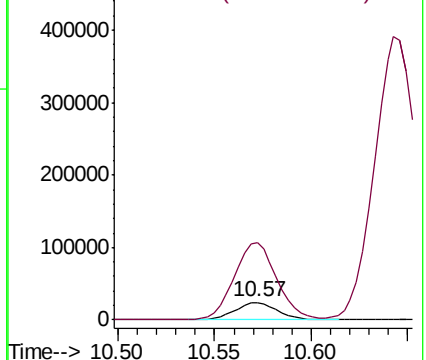
120 100

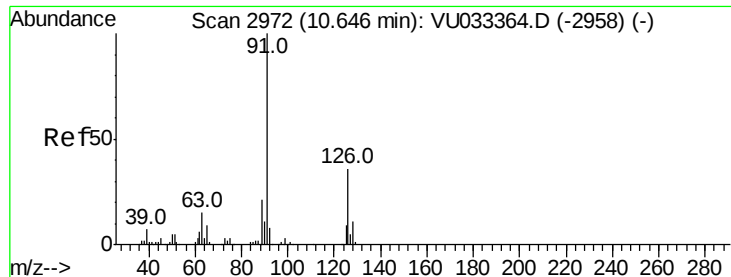
91 452.6 355.1 532.7



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 23.279 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

Instrument :

MSVOA_U

ClientSampleId :

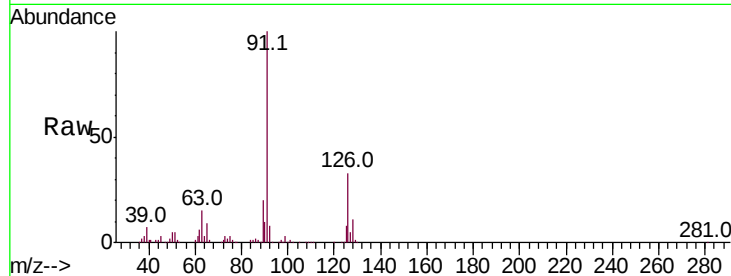
PT-UNRVOA-WS

Tot Ion:126 Resp: 204665

Ion Ratio Lower Upper

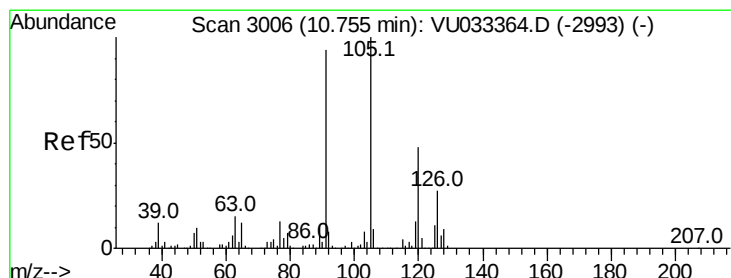
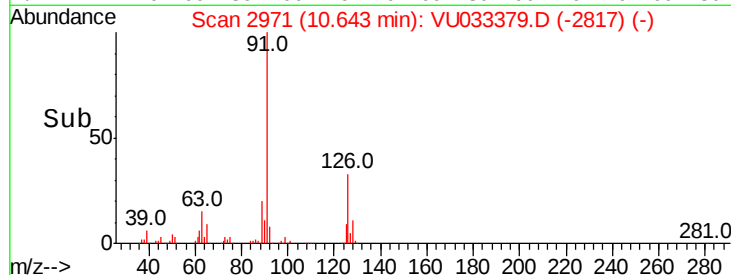
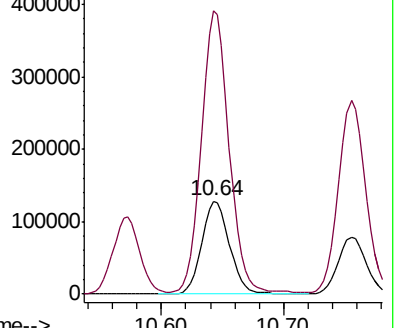
126 100

91 304.1 0.0 598.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#75

1,3,5-Trimethylbenzene

Concen: 10.105 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033379.D

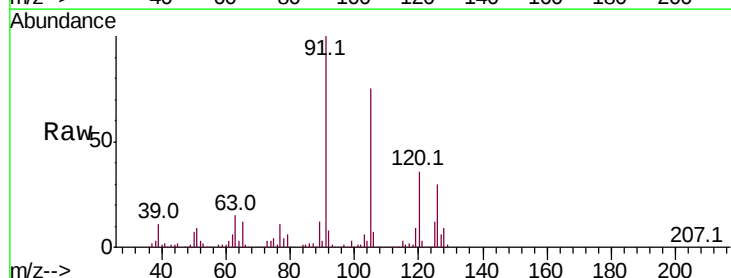
Acq: 23 Jul 2019 14:10

Tgt Ion:105 Resp: 306518

Ion Ratio Lower Upper

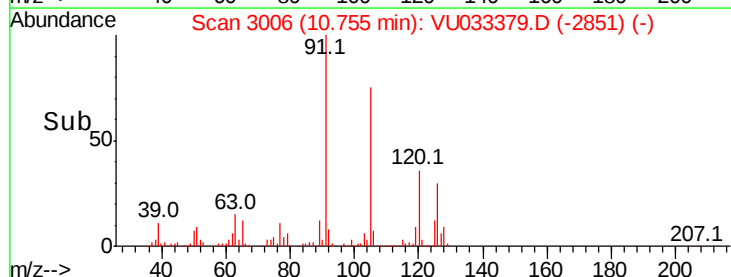
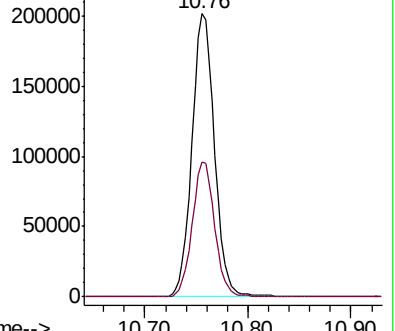
105 100

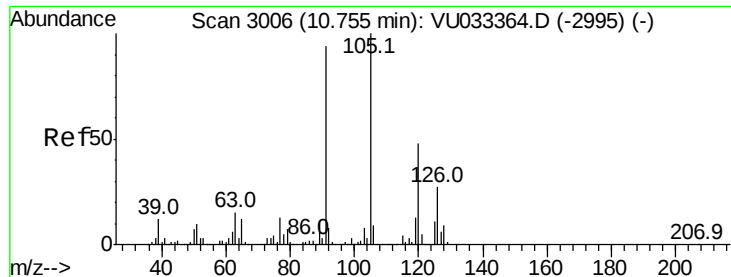
120 47.5 38.2 57.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

4-Chlorotoluene

Concen: 13.787 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

Instrument :

MSVOA_U

ClientSampleId :

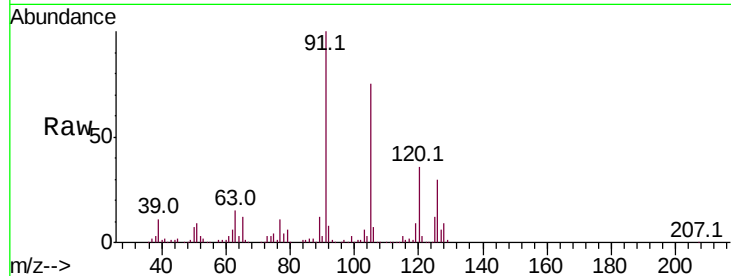
PT-UNRVOA-WS

Tot Ion:126 Resp: 126302

Ion Ratio Lower Upper

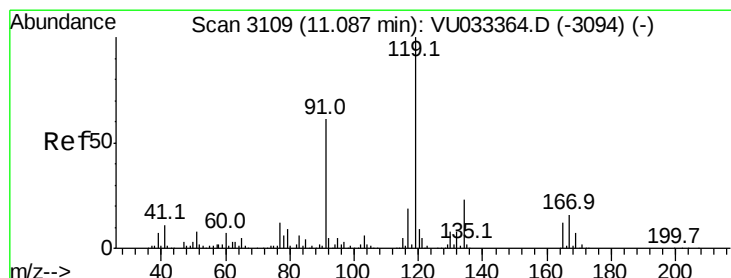
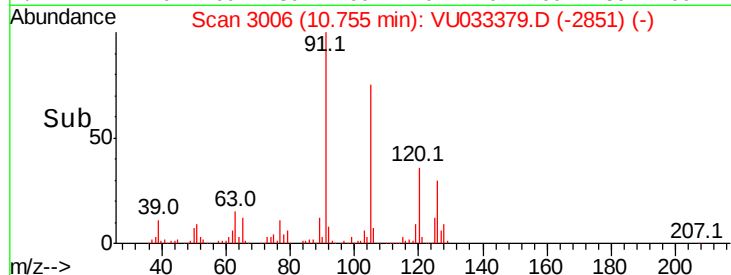
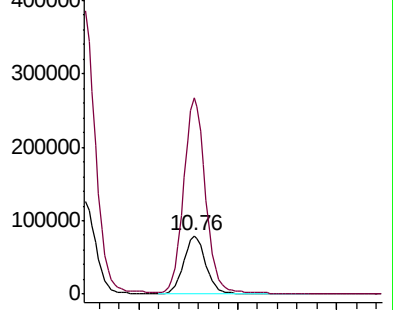
126 100

91 331.4 0.0 681.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#77

tert-Butylbenzene

Concen: 7.579 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

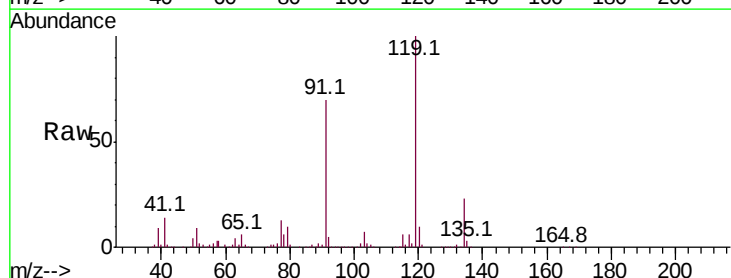
Tgt Ion:119 Resp: 217875

Ion Ratio Lower Upper

119 100

91 69.9 30.4 91.3

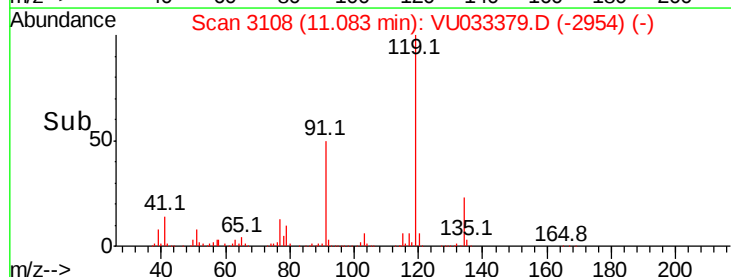
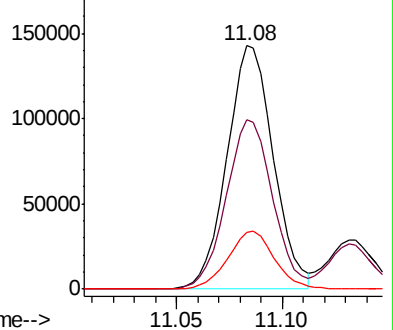
134 24.2 18.5 27.7

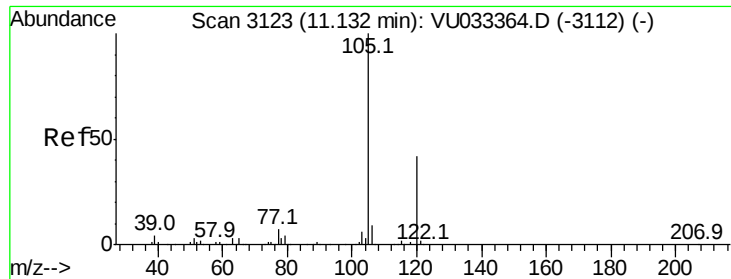


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V

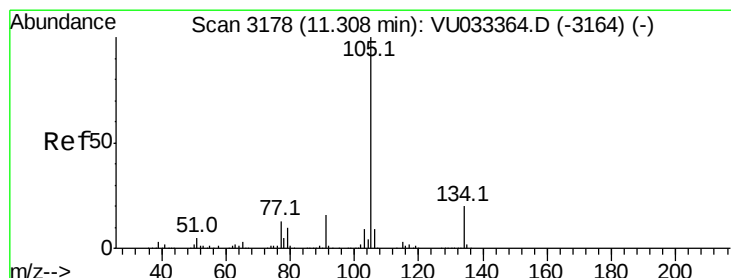
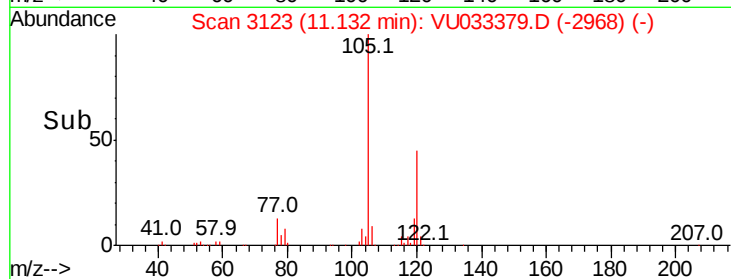
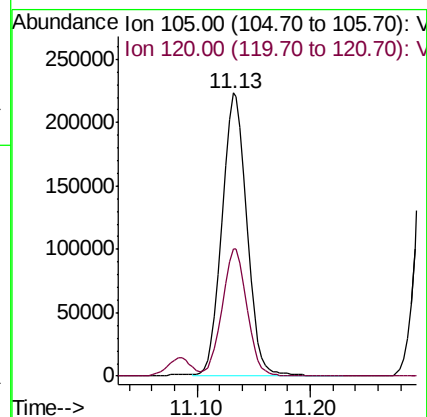
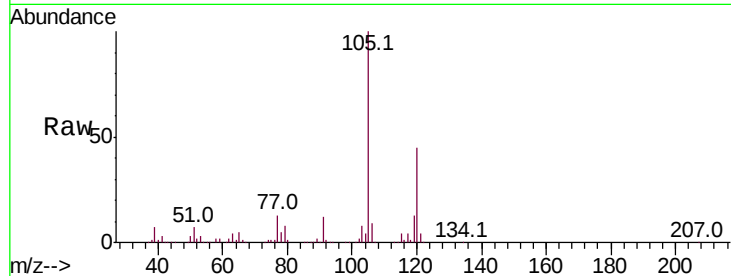




#78
 1,2,4-Trimethylbenzene
 Concen: 11.010 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VU033379.D
 Acq: 23 Jul 2019 14:10

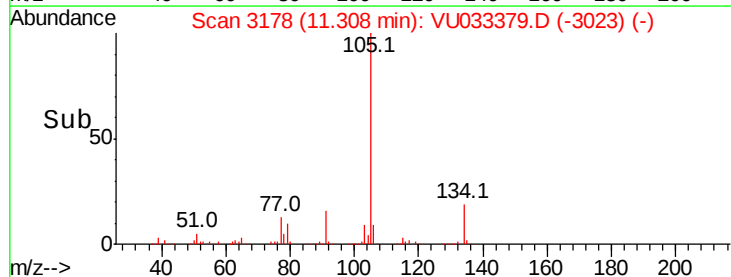
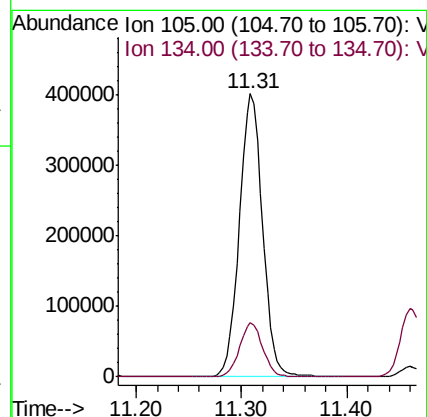
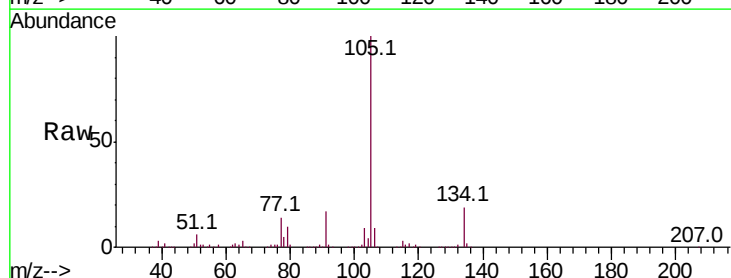
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-UNRVOA-WS

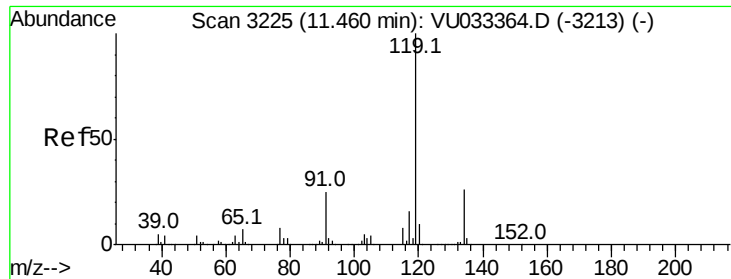
Tot Ion:105 Resp: 341384
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.5 67.5



#79
 sec-Butylbenzene
 Concen: 15.377 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. -0.00 min
 Lab File: VU033379.D
 Acq: 23 Jul 2019 14:10

Tgt Ion:105 Resp: 608459
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.5 23.3

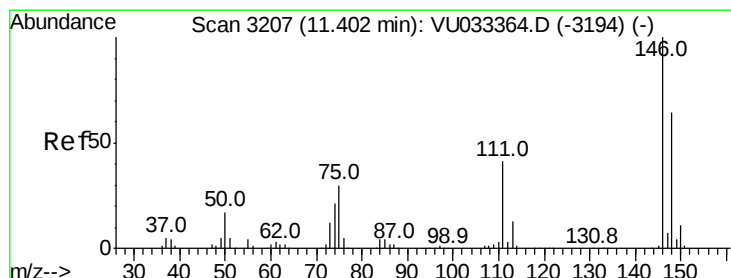
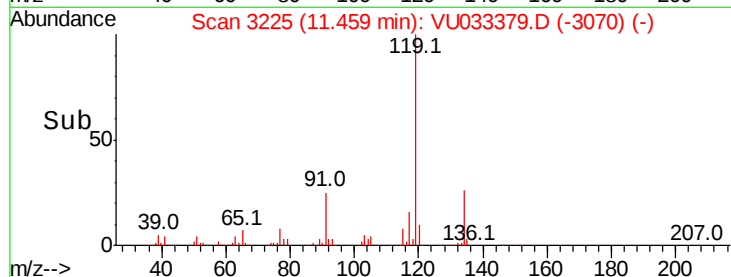
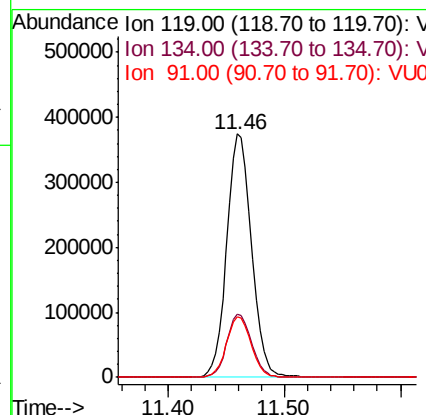
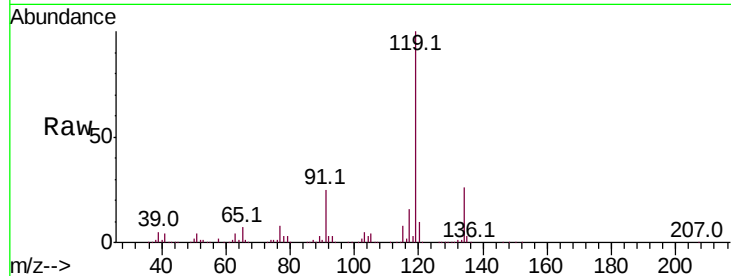




#81
p-Isopropyltoluene
Concen: 17.046 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. -0.00 min
Lab File: VU033379.D
Acq: 23 Jul 2019 14:10

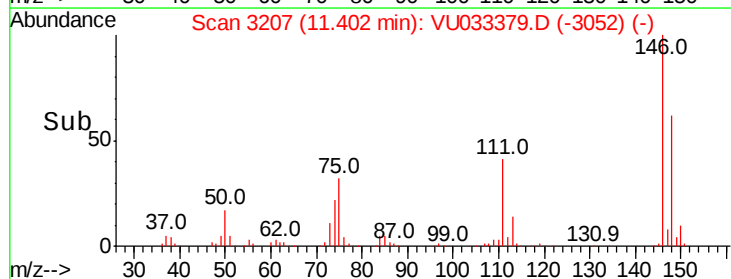
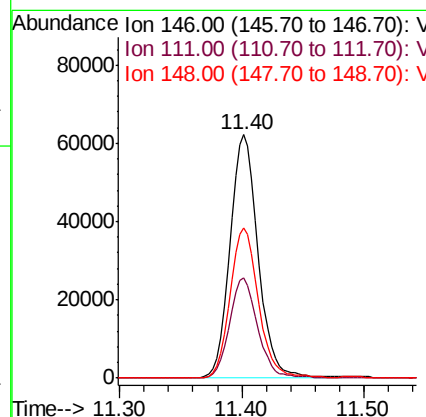
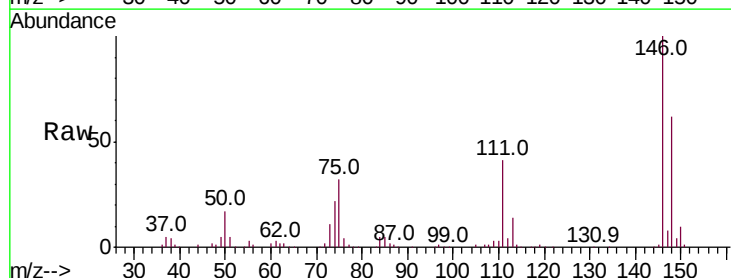
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WS

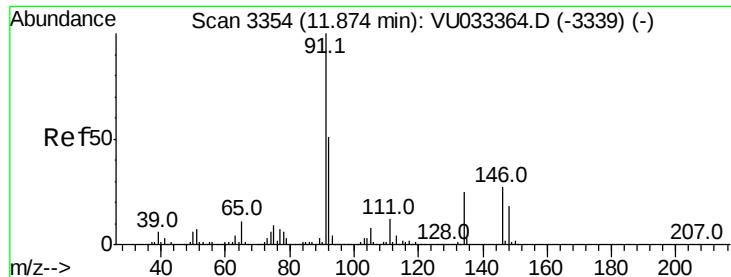
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.0	31.4
91	24.9	19.8	29.6



#82
1,3-Dichlorobenzene
Concen: 5.313 ug/l
RT: 11.40 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU033379.D
Acq: 23 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	33.3	49.9
148	62.4	50.8	76.2

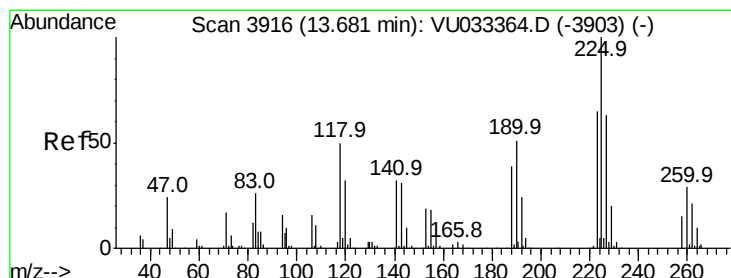
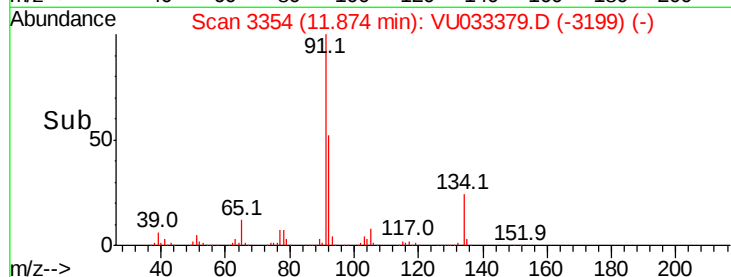
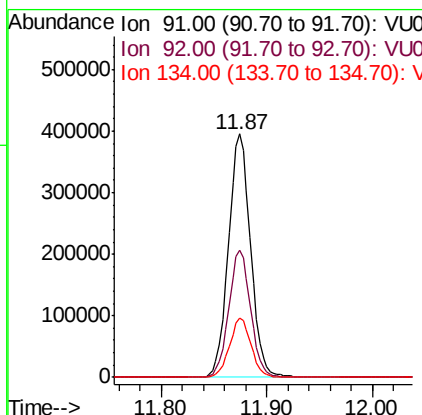
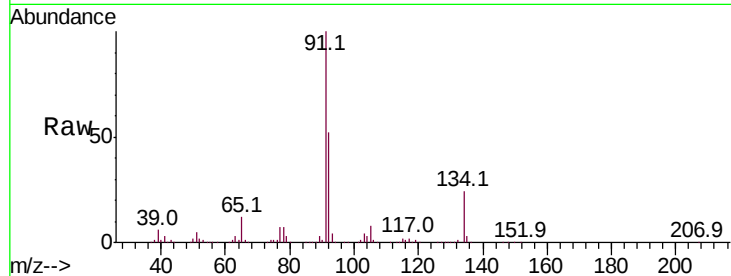




#84
n-Butylbenzene
Concen: 17.363 ug/l
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU033379.D
Acq: 23 Jul 2019 14:10

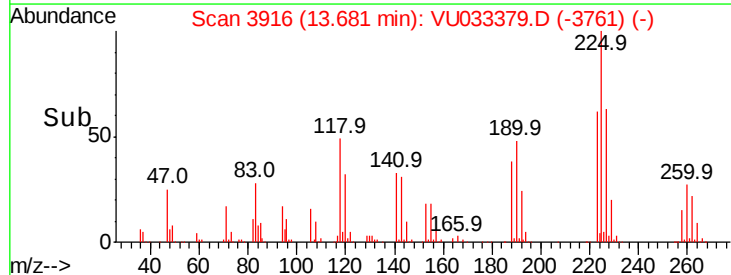
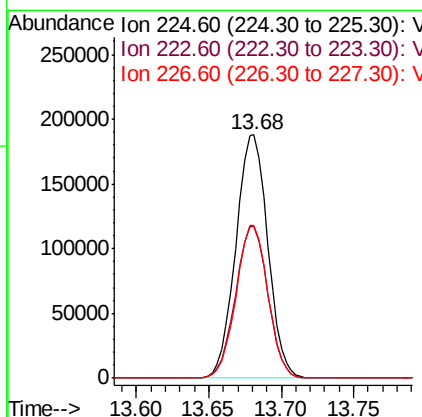
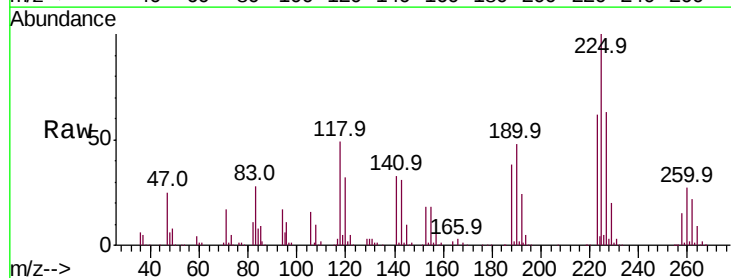
Instrument :
MSVOA_U
ClientSampleId :
PT-UNRVOA-WS

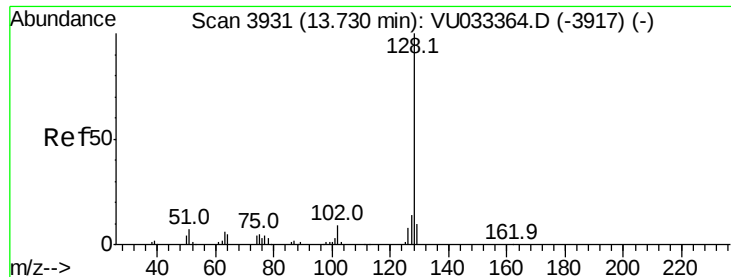
Tot Ion: 91 Resp: 571599
Ion Ratio Lower Upper
91 100
92 51.7 41.0 61.6
134 23.8 19.5 29.3



#88
Hexachlorobutadiene
Concen: 44.116 ug/l
RT: 13.68 min Scan# 3916
Delta R.T. -0.00 min
Lab File: VU033379.D
Acq: 23 Jul 2019 14:10

Tgt Ion: 225 Resp: 287952
Ion Ratio Lower Upper
225 100
223 62.8 52.2 78.4
227 62.5 51.7 77.5





#89

Naphthalene

Concen: 22.641 ug/l

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

Instrument :

MSVOA_U

ClientSampleId :

PT-UNRVOA-WS

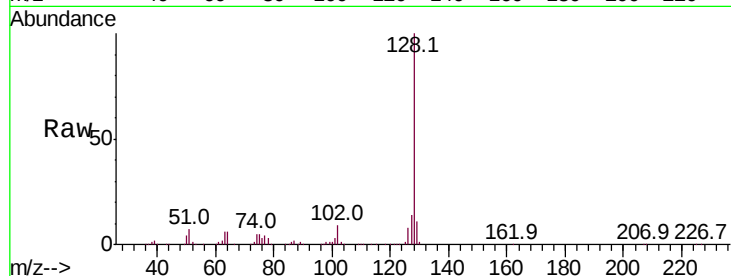
Tot Ion:128 Resp: 565413

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

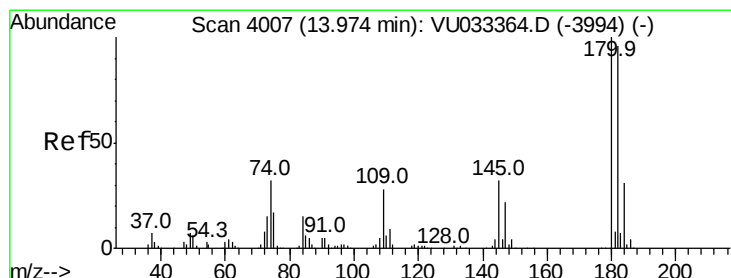
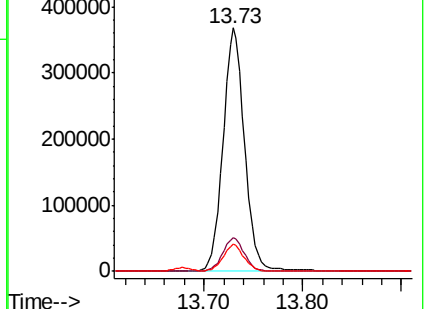
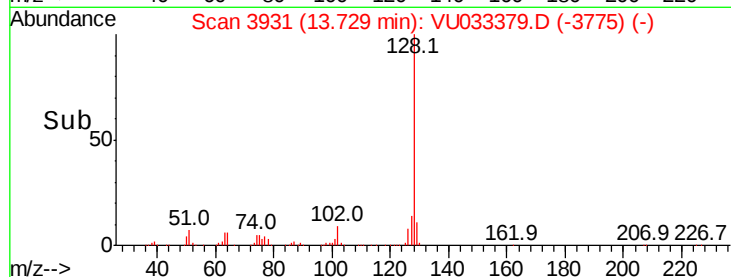
129 10.7 8.5 12.7



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



#90

1,2,3-Trichlorobenzene

Concen: 66.059 ug/l

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033379.D

Acq: 23 Jul 2019 14:10

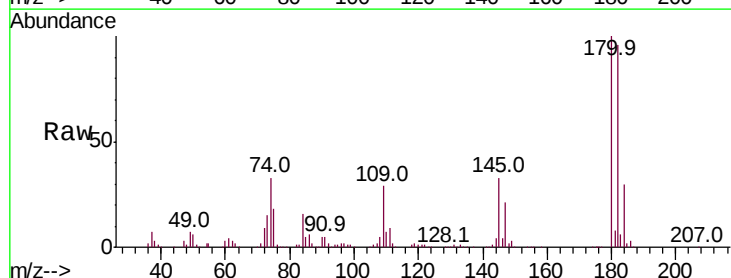
Tgt Ion:180 Resp: 678492

Ion Ratio Lower Upper

180 100

182 95.5 77.9 116.9

145 32.9 25.8 38.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

