

Data File : VU033377.D
Acq On : 23 Jul 2019 13:16
Operator : JC/SP
Sample : K3860-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

Quant Time: Jul 24 02:27:47 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	28895	1.00	ug/l	0.00

System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	11123	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	11693	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	

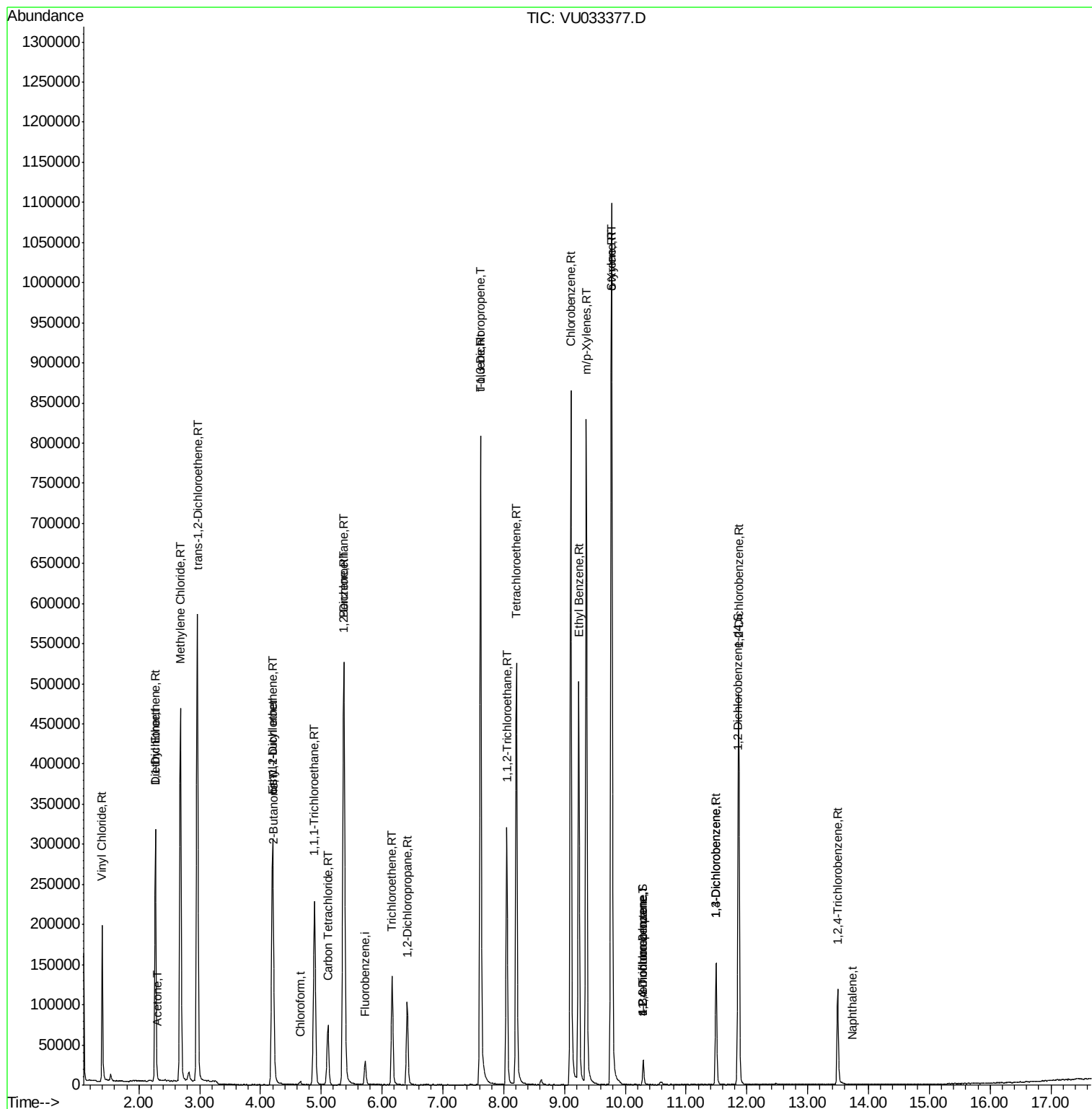
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	131713	8.949	ug/l	99
9) 1,1-Dichloroethene	2.27	96	97293	9.476	ug/l	97
13) Acetone	2.31	43	1146	0.469	ug/l	96
15) Methylene Chloride	2.68	84	195975	14.153	ug/l	100
16) trans-1,2-Dichloroethene	2.96	96	217827	17.865	ug/l	98
18) 2-Butanone	4.22	43	691	0.296	ug/l	76
22) cis-1,2-Dichloroethene	4.20	96	166232	17.990	ug/l	90
23) Diethyl Ether	2.27	59	5756	0.650	ug/l #	15
27) Chloroform	4.65	83	4036	0.216	ug/l	94
28) 1,1,1-Trichloroethane	4.89	97	177449	12.255	ug/l	98
30) Carbon Tetrachloride	5.11	117	52822	4.145	ug/l	98
32) Ethyl-t-butyl ether	4.19	59	5668	0.285	ug/l #	33
35) Benzene	5.36	78	436705	12.656	ug/l	100
36) 1,2-Dichloroethane	5.38	62	171357	14.922	ug/l	99
37) Trichloroethene	6.16	130	45719	5.020	ug/l	100
38) 1,2-Dichloropropane	6.41	63	41566	4.366	ug/l	97
46) t-1,4-Dichloro-2-butene	10.29	75	5737	2.645	ug/l #	23
49) Toluene	7.62	92	347997	17.605	ug/l	100
50) t-1,3-Dichloropropene	7.62	75	4671	0.441	ug/l #	1
52) 1,1,2-Trichloroethane	8.05	97	99633	14.144	ug/l	97
58) Tetrachloroethene	8.21	164	114451	13.859	ug/l	97
59) Chlorobenzene	9.10	112	468616	20.679	ug/l	100
63) Ethyl Benzene	9.23	91	355327	9.765	ug/l	99
64) m/p-Xylenes	9.36	106	238322	16.381	ug/l	98
65) o-Xylene	9.77	106	113602	8.148	ug/l	98
66) Styrene	9.78	104	428808	18.132	ug/l	95
71) 1,2,3-Trichloropropane	10.29	75	5737	0.796	ug/l #	50
82) 1,3-Dichlorobenzene	11.49	146	62015	3.090	ug/l	98
83) 1,4-Dichlorobenzene	11.49	146	62015	3.123	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	191156	10.158	ug/l	100
87) 1,2,4-Trichlorobenzene	13.49	180	38381	3.428	ug/l	100
89) Naphthalene	13.73	128	96	0.662	ug/l #	69

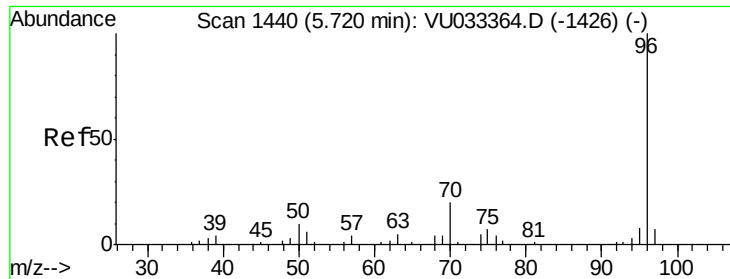
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

Tgt Ion: 96 Resp: 28895

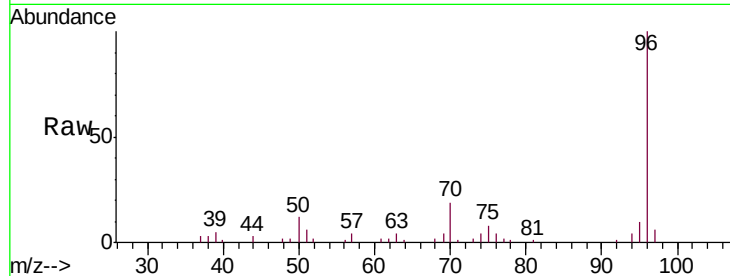
Ion Ratio Lower Upper

96 100

70 19.2 16.4 24.6

95 9.2 6.7 10.1

97 0.0 0.0 0.0

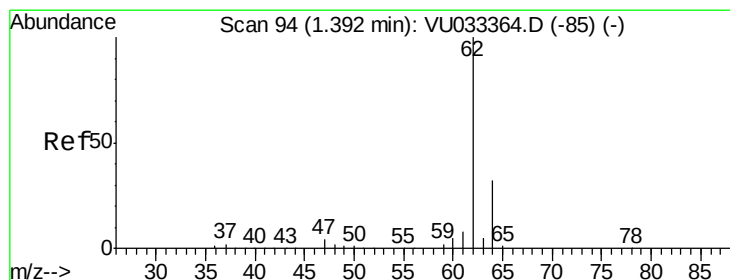
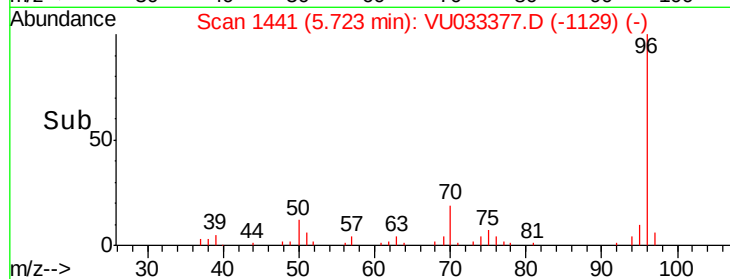
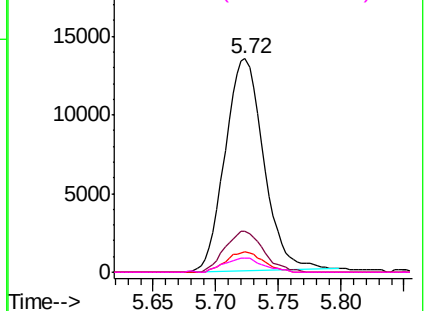


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#4

Vinyl Chloride

Concen: 8.949 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033377.D

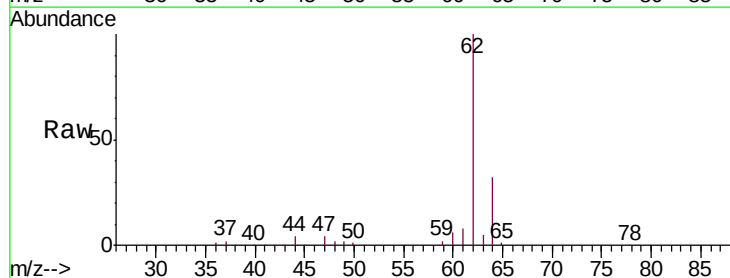
Acq: 23 Jul 2019 13:16

Tgt Ion: 62 Resp: 131713

Ion Ratio Lower Upper

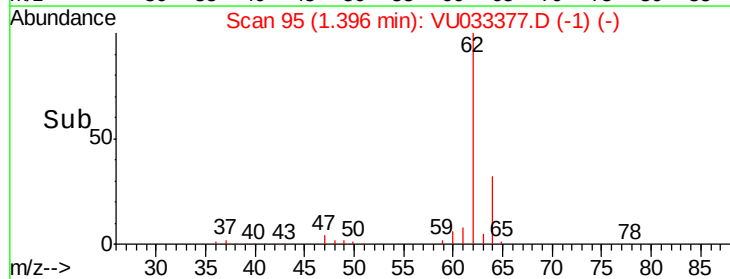
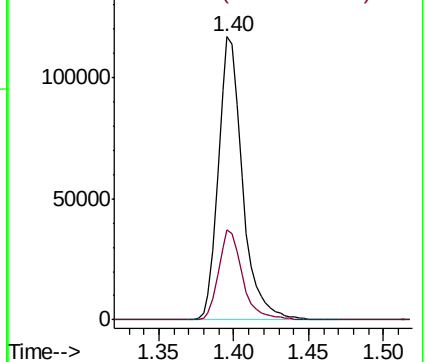
62 100

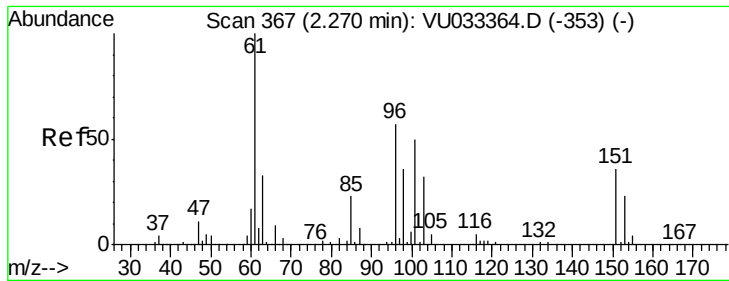
64 31.7 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#9

1,1-Dichloroethene

Concen: 9.476 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

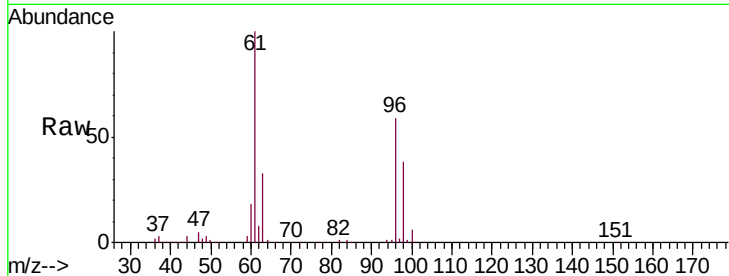
Tgt Ion: 96 Resp: 97293

Ion Ratio Lower Upper

96 100

61 170.7 0.0 525.6

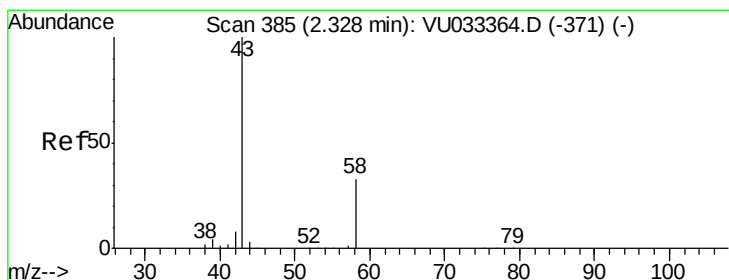
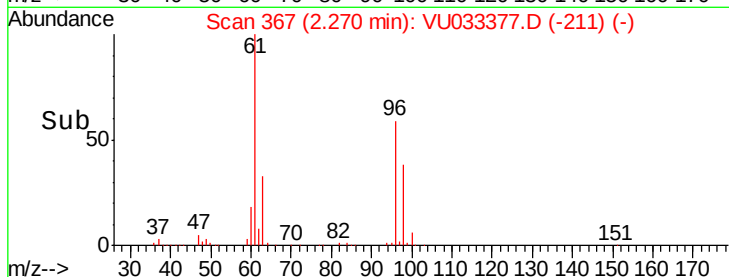
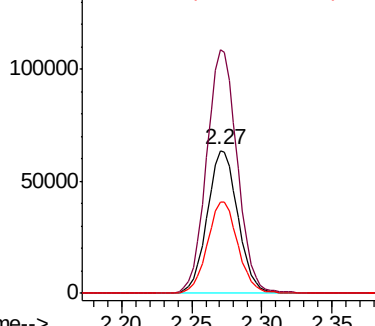
98 64.4 0.0 126.4



Abundance Ion 96.00 (95.70 to 96.70): VU033377.D (-211) (-)

Ion 61.00 (60.70 to 61.70): VU033377.D (-211) (-)

Ion 98.00 (97.70 to 98.70): VU033377.D (-211) (-)



#13

Acetone

Concen: 0.469 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033377.D

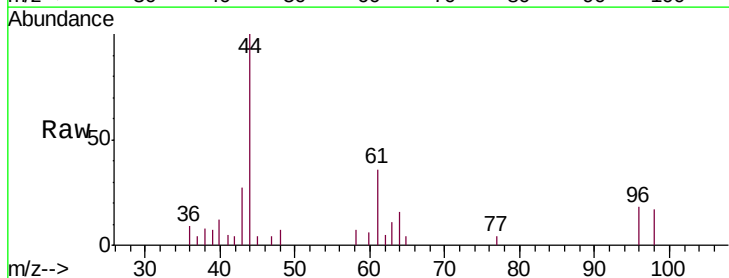
Acq: 23 Jul 2019 13:16

Tgt Ion: 43 Resp: 1146

Ion Ratio Lower Upper

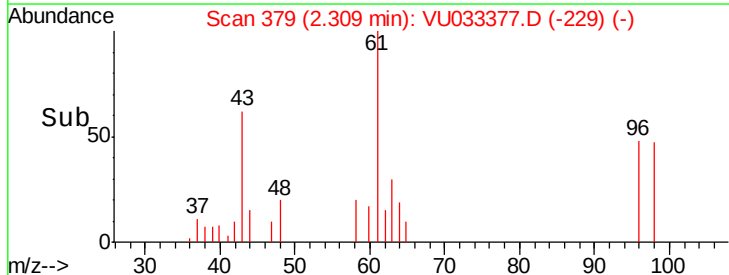
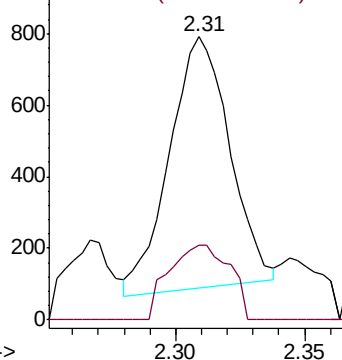
43 100

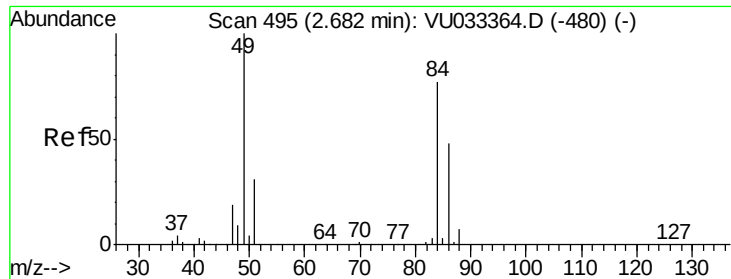
58 30.5 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VU033377.D (-229) (-)

Ion 58.00 (57.70 to 58.70): VU033377.D (-229) (-)

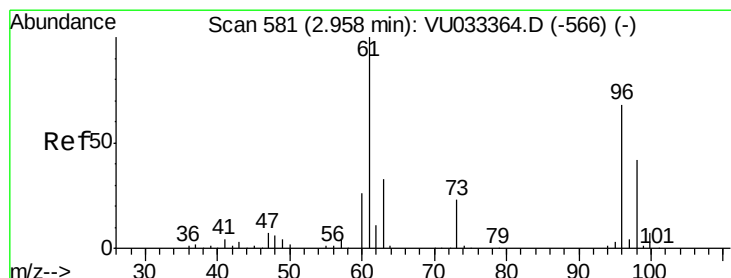
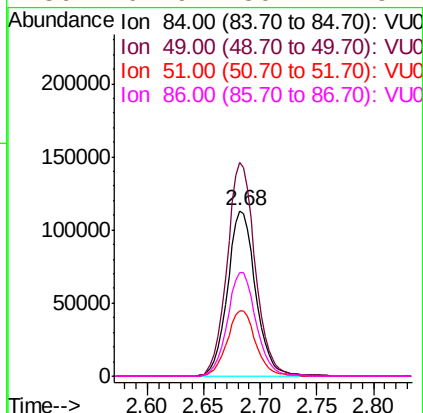
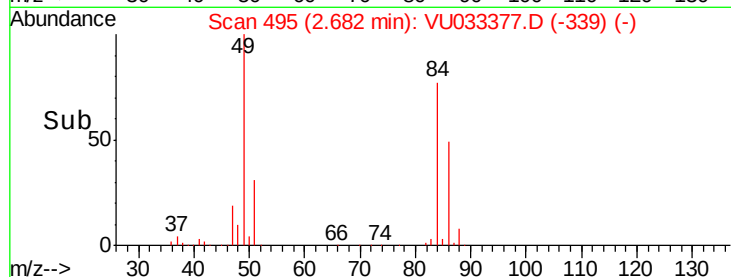
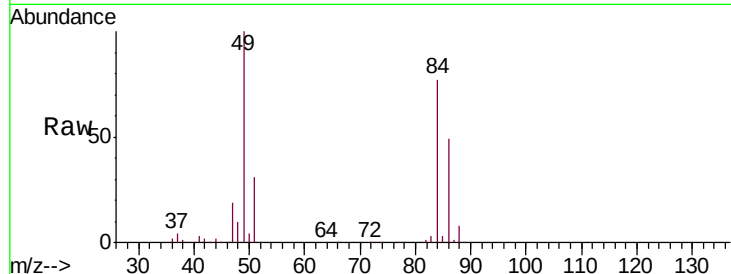




#15
Methylene Chloride
Concen: 14.153 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033377.D
Acq: 23 Jul 2019 13:16

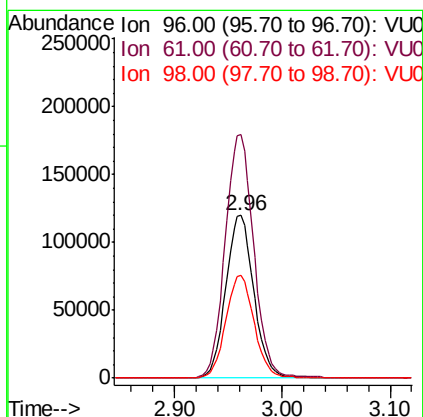
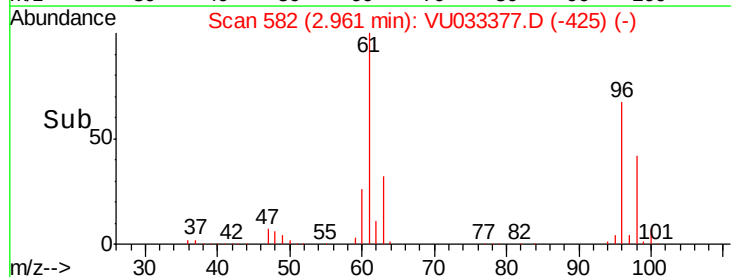
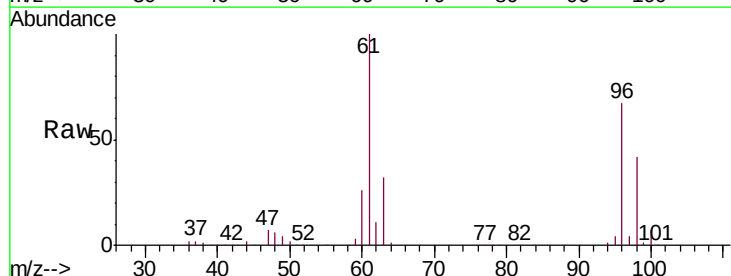
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

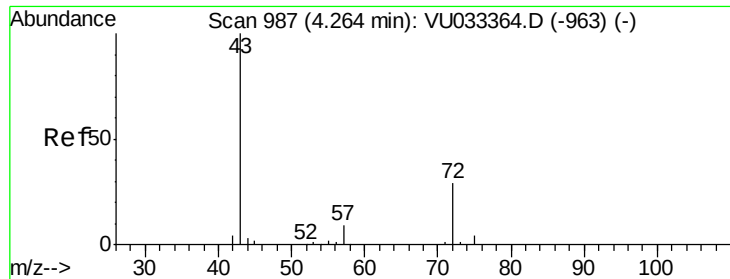
Tgt Ion:	84	Resp:	195975
Ion	Ratio	Lower	Upper
84	100		
49	129.3	103.5	155.3
51	39.8	0.0	80.4
86	62.9	50.1	75.1



#16
trans-1,2-Dichloroethene
Concen: 17.865 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033377.D
Acq: 23 Jul 2019 13:16

Tgt Ion:	96	Resp:	217827
Ion	Ratio	Lower	Upper
96	100		
61	150.0	118.0	177.0
98	63.4	49.4	74.2

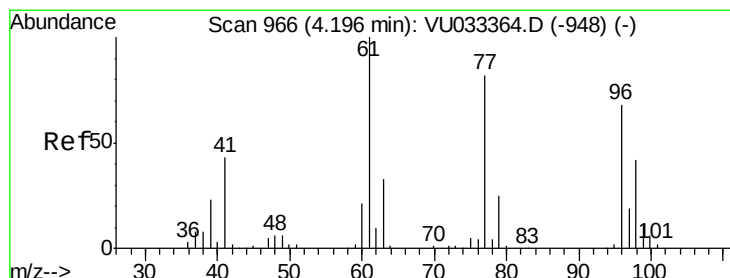
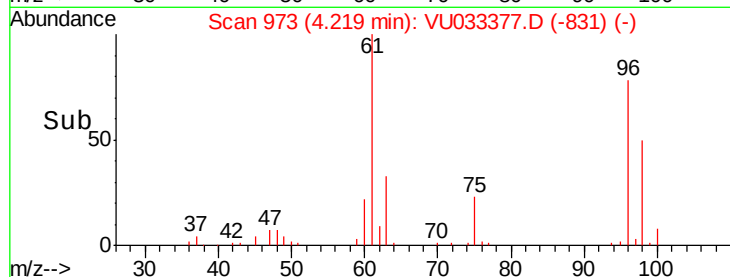
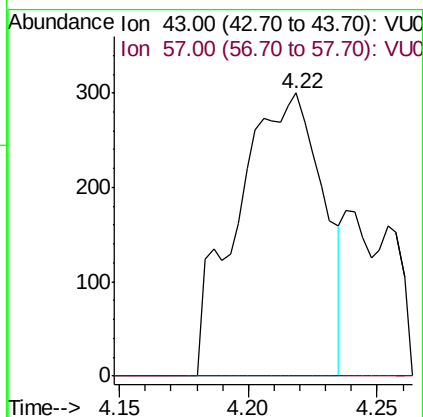
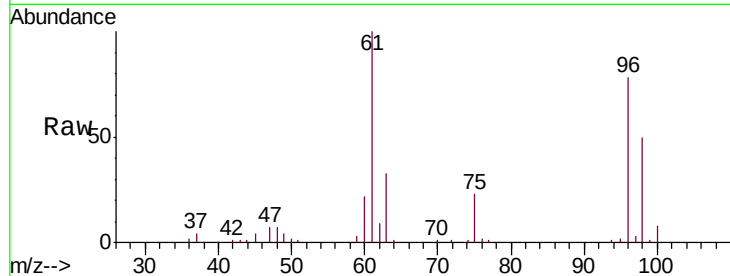




#18
2-Butanone
Concen: 0.296 ug/l
RT: 4.22 min Scan# 973
Delta R.T. -0.05 min
Lab File: VU033377.D
Acq: 23 Jul 2019 13:16

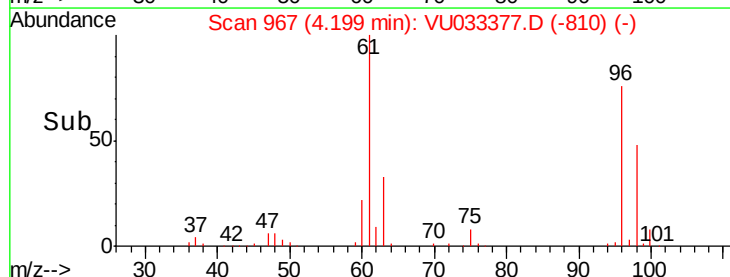
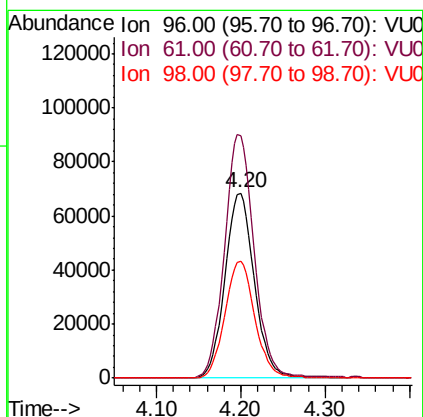
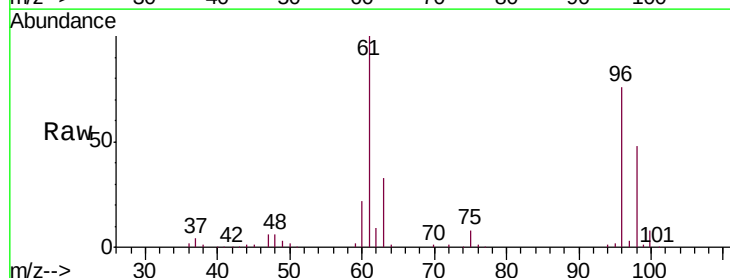
Instrument :
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ClientSampleId :
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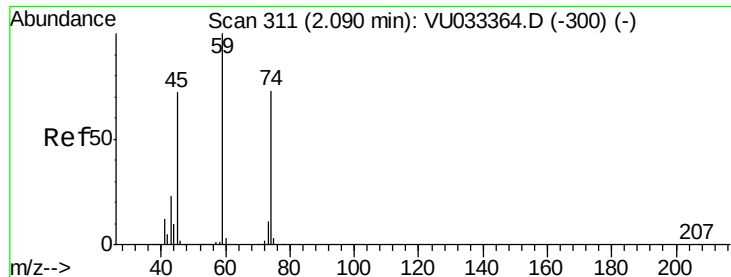
Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
57 0.0 0.0 17.0



#22
cis-1,2-Dichloroethene
Concen: 17.990 ug/l
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033377.D
Acq: 23 Jul 2019 13:16

Tgt Ion: 96 Resp: 166232
Ion Ratio Lower Upper
96 100
61 133.0 0.0 376.3
98 64.3 31.9 95.9





#23

Diethyl Ether

Concen: 0.650 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.18 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

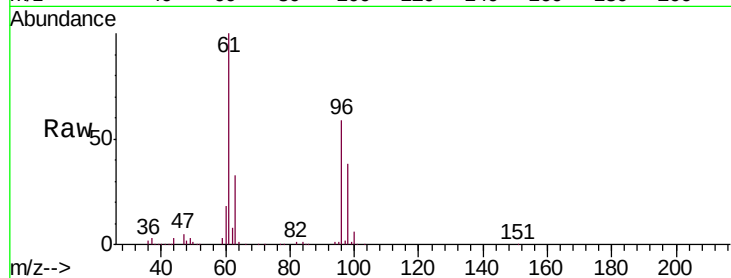
Tgt Ion: 59 Resp: 5756

Ion Ratio Lower Upper

59 100

45 2.6 57.6 86.4#

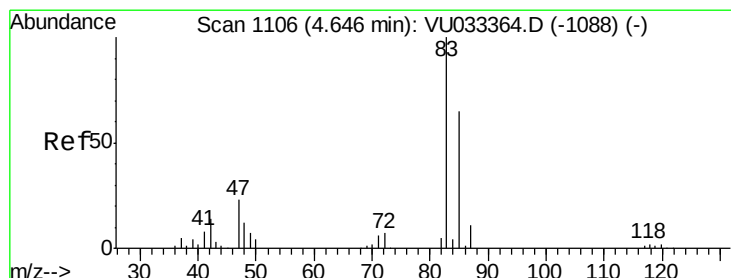
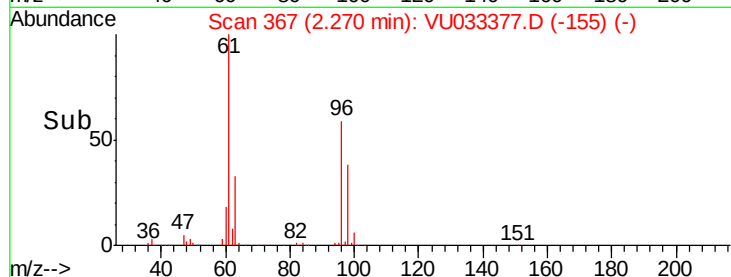
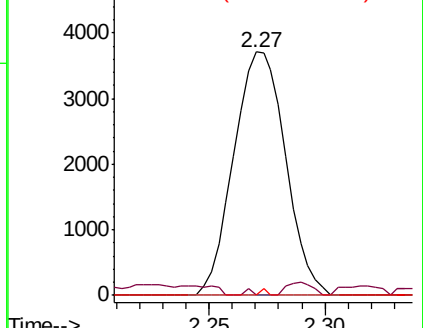
74 0.4 57.8 86.6#



Abundance Ion 59.00 (58.70 to 59.70): VU033364.D (-300) (-)

Ion 45.00 (44.70 to 45.70): VU033364.D (-300) (-)

Ion 74.00 (73.70 to 74.70): VU033364.D (-300) (-)



#27

Chloroform

Concen: 0.216 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VU033377.D

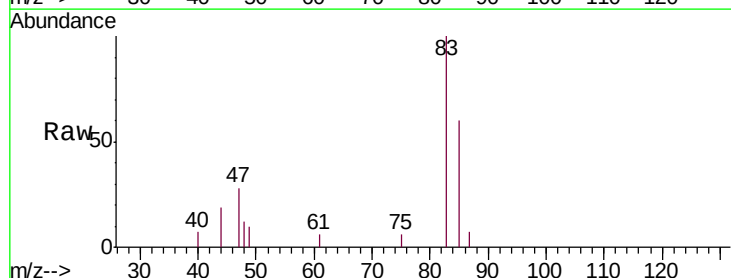
Acq: 23 Jul 2019 13:16

Tgt Ion: 83 Resp: 4036

Ion Ratio Lower Upper

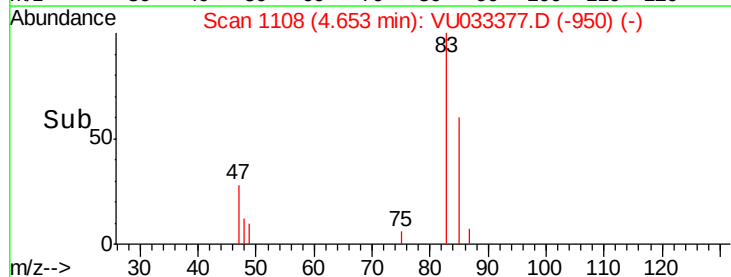
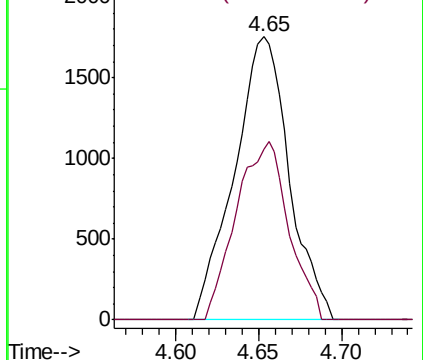
83 100

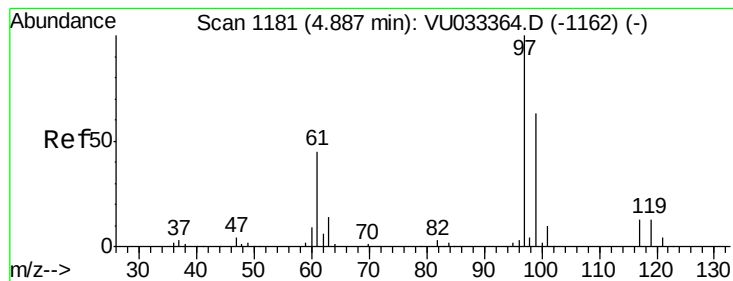
85 60.4 0.0 129.8



Abundance Ion 83.00 (82.70 to 83.70): VU033364.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU033364.D (-1088) (-)





#28

1,1,1-Trichloroethane

Concen: 12.255 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033377.D

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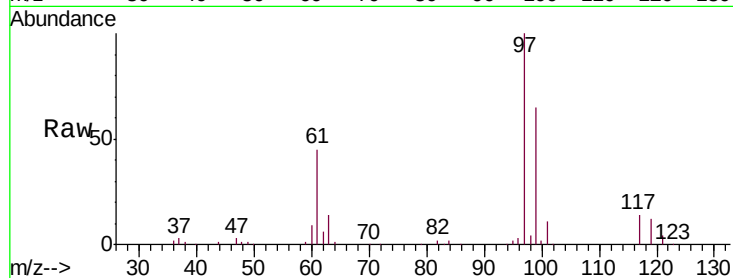
Tgt Ion: 97 Resp: 177449

Ion Ratio Lower Upper

97 100

99 64.9 31.9 95.5

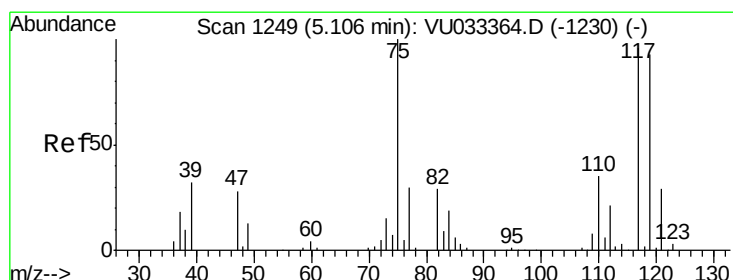
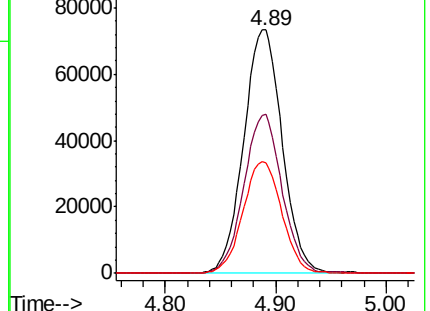
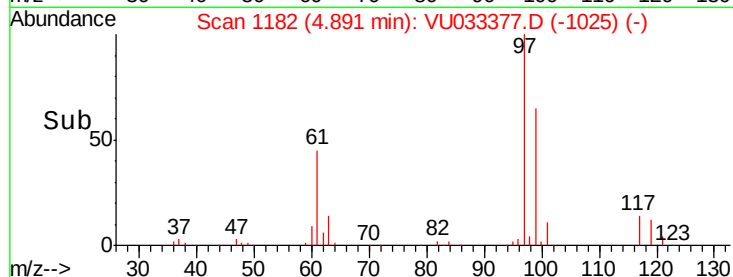
61 46.4 22.7 68.0



Abundance Ion 97.00 (96.70 to 97.70): VU033364.D (-1162) (-)

Ion 99.00 (98.70 to 99.70): VU033364.D (-1162) (-)

Ion 61.00 (60.70 to 61.70): VU033364.D (-1162) (-)



#30

Carbon Tetrachloride

Concen: 4.145 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

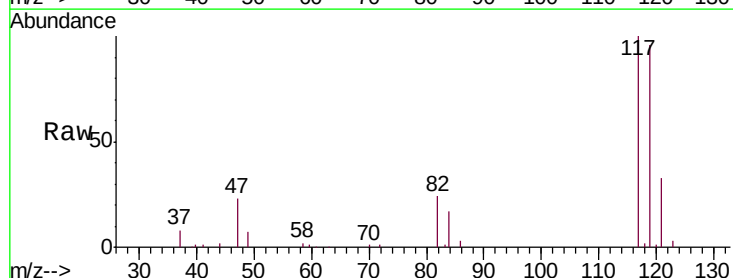
Tgt Ion: 117 Resp: 52822

Ion Ratio Lower Upper

117 100

119 96.2 77.9 116.9

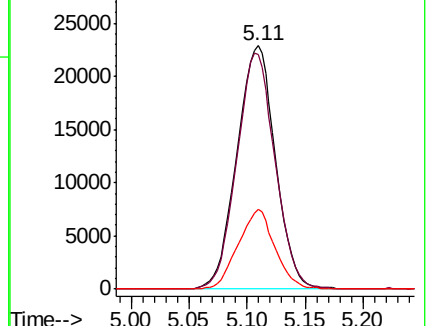
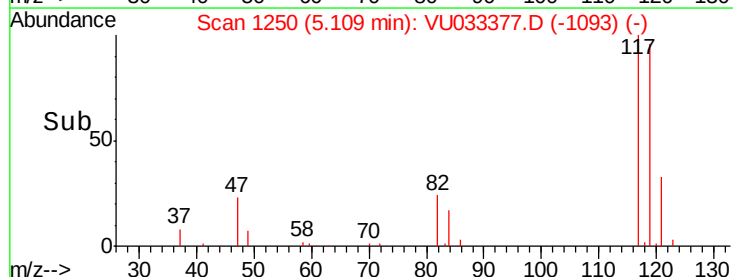
121 32.5 24.0 36.0

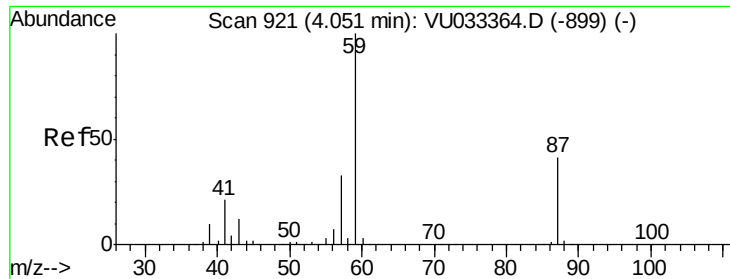


Abundance Ion 117.00 (116.70 to 117.70): VU033364.D (-1230) (-)

Ion 119.00 (118.70 to 119.70): VU033364.D (-1230) (-)

Ion 121.00 (120.70 to 121.70): VU033364.D (-1230) (-)

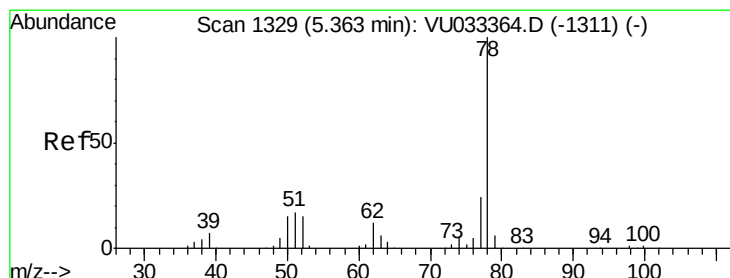
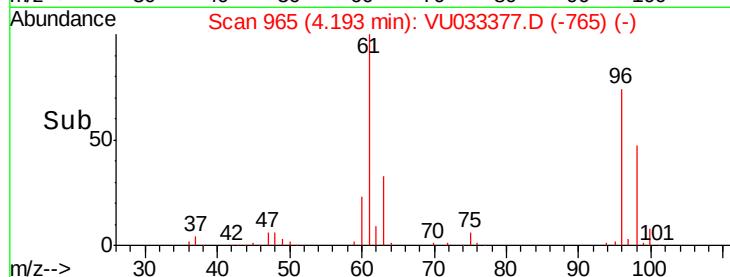
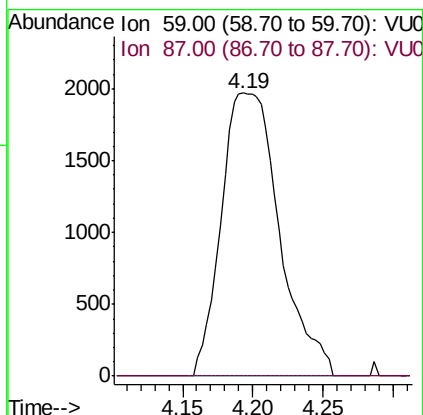
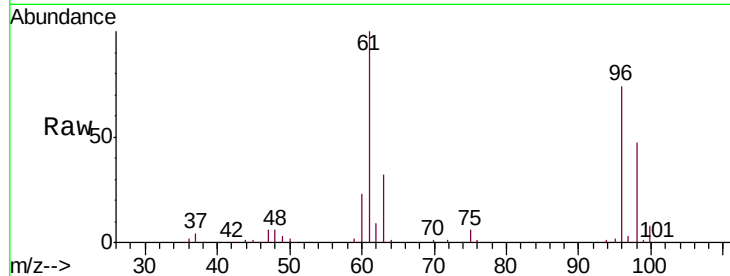




#32
Ethyl-t-butyl ether
Concen: 0.285 ug/l
RT: 4.19 min Scan# 965
Delta R.T. 0.14 min
Lab File: VU033377.D
Acq: 23 Jul 2019 13:16

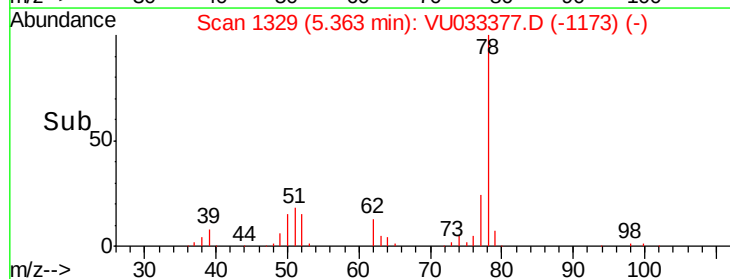
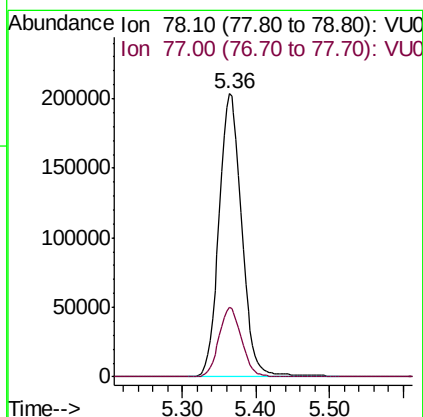
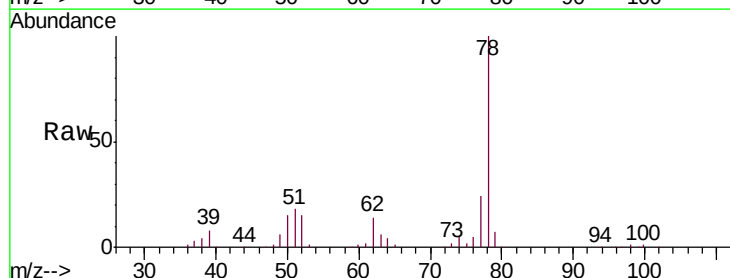
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

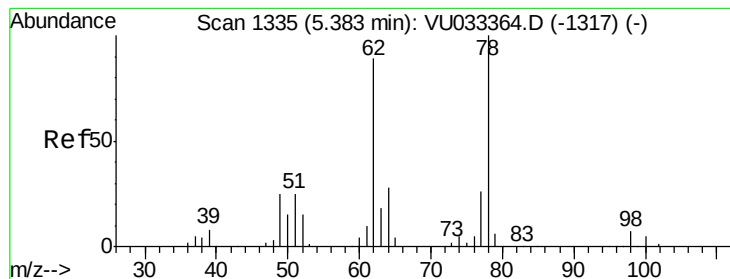
Tgt Ion: 59 Resp: 5668
Ion Ratio Lower Upper
59 100
87 0.0 33.8 50.6#



#35
Benzene
Concen: 12.656 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033377.D
Acq: 23 Jul 2019 13:16

Tgt Ion: 78 Resp: 436705
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.2





#36

1,2-Dichloroethane

Concen: 14.922 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

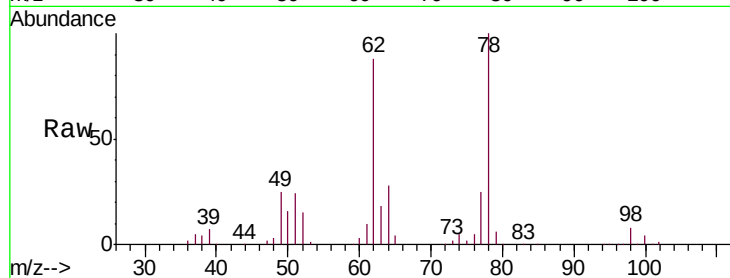
PT-RVOA-WS

Tgt Ion: 62 Resp: 171357

Ion Ratio Lower Upper

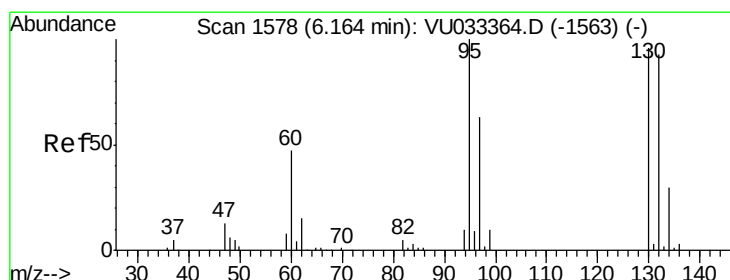
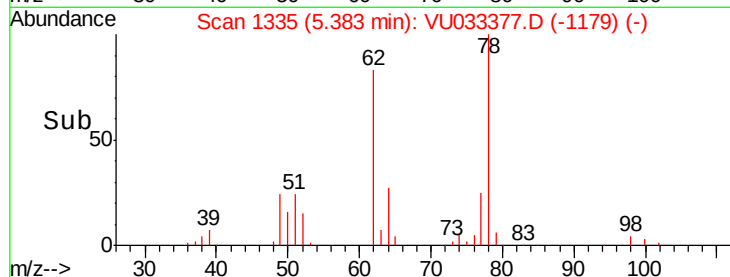
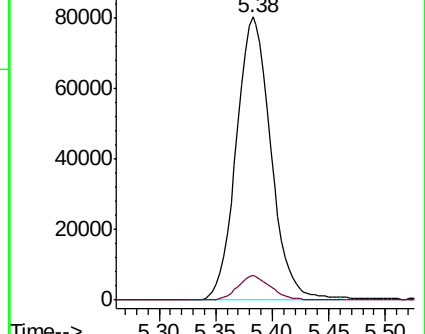
62 100

98 8.3 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU033364.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033364.D (-1317) (-)



#37

Trichloroethene

Concen: 5.020 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033377.D

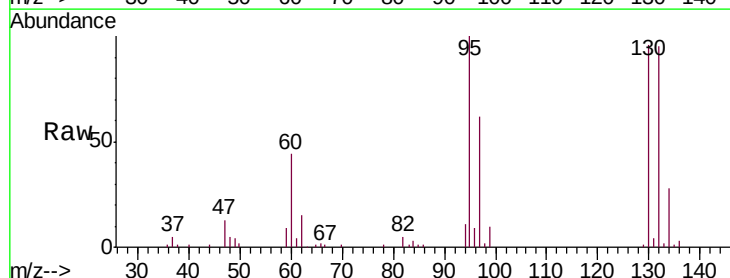
Acq: 23 Jul 2019 13:16

Tgt Ion: 130 Resp: 45719

Ion Ratio Lower Upper

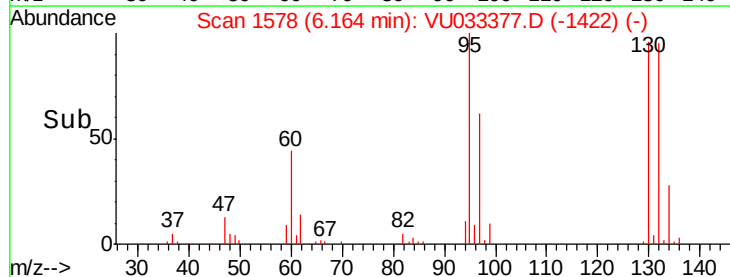
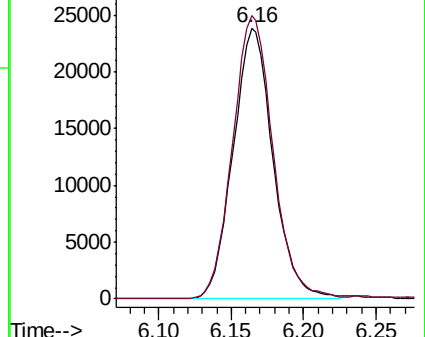
130 100

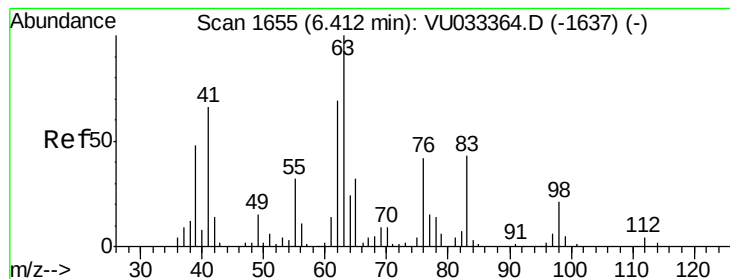
95 104.5 83.4 125.0



Abundance Ion 129.90 (129.60 to 130.60): VU033364.D (-1563) (-)

Ion 94.90 (94.60 to 95.60): VU033364.D (-1563) (-)





#38

1,2-Dichloropropane

Concen: 4.366 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

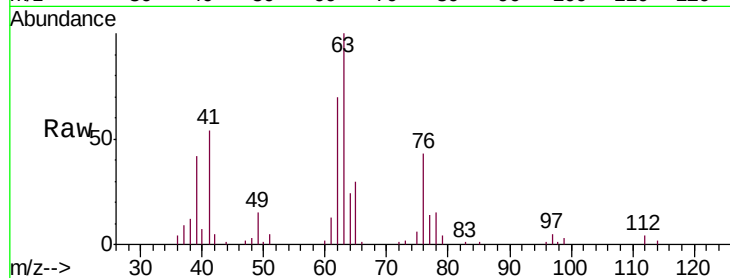
PT-RVOA-WS

Tgt Ion: 63 Resp: 41566

Ion Ratio Lower Upper

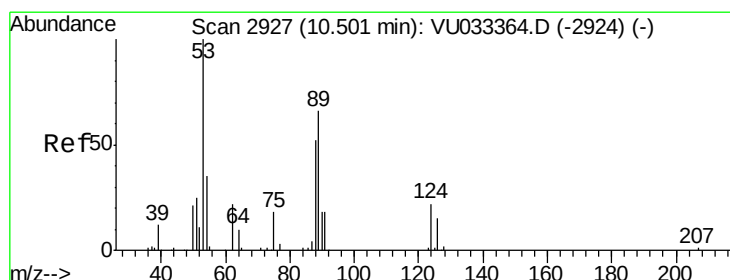
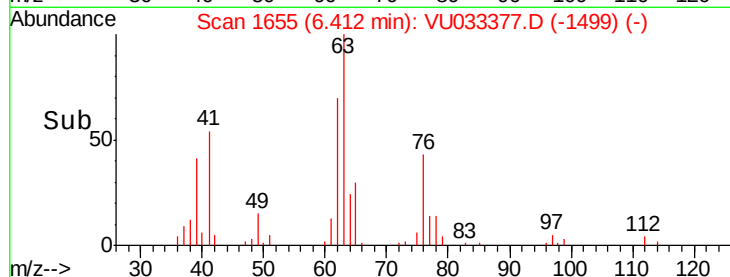
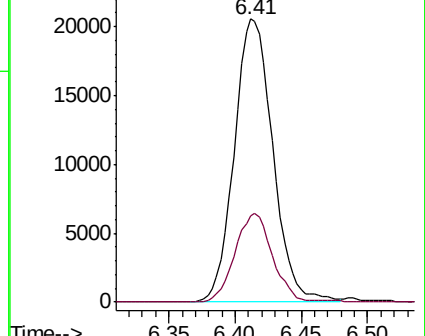
63 100

65 30.3 25.7 38.5



Abundance Ion 63.00 (62.70 to 63.70): VU033364.D (-1637) (-)

Ion 65.00 (64.70 to 65.70): VU033364.D (-1637) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 2.645 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.21 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Tgt Ion: 75 Resp: 5737

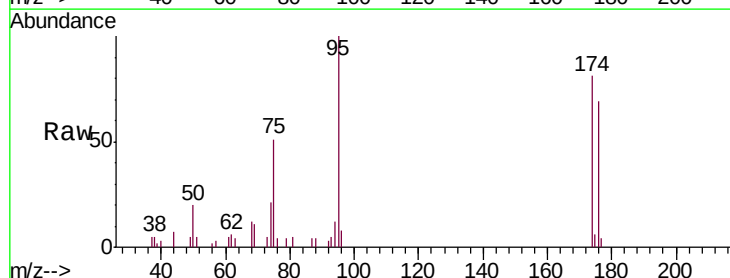
Ion Ratio Lower Upper

75 100

53 0.0 62.9 94.3#

89 0.0 43.0 64.4#

88 7.8 35.0 52.4#

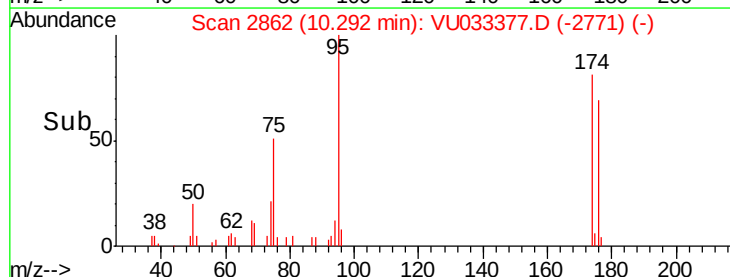
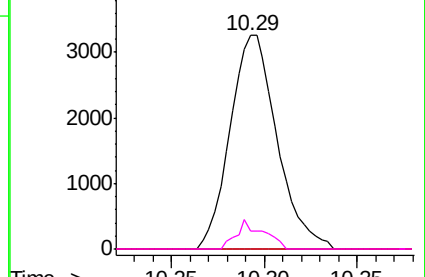


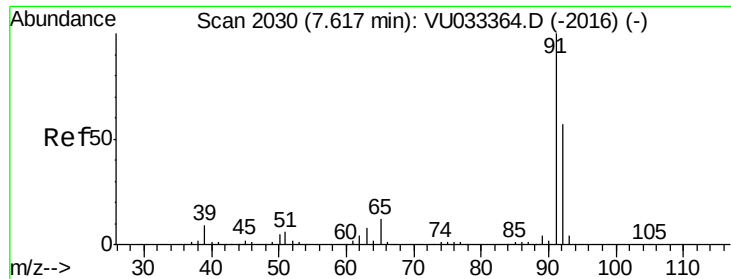
Abundance Ion 74.90 (74.60 to 75.60): VU033364.D (-2924) (-)

Ion 53.00 (52.70 to 53.70): VU033364.D (-2924) (-)

Ion 88.80 (88.50 to 89.50): VU033364.D (-2924) (-)

Ion 87.80 (87.50 to 88.50): VU033364.D (-2924) (-)





#49

Toluene

Concen: 17.605 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

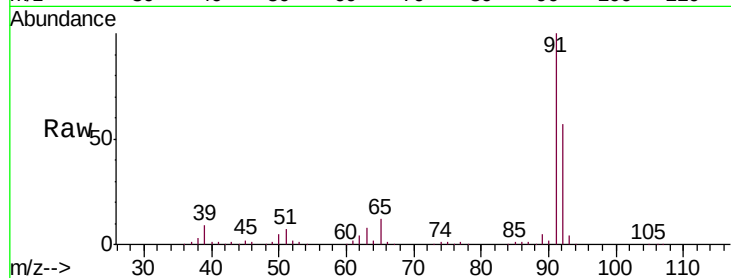
PT-RVOA-WS

Tgt Ion: 92 Resp: 347997

Ion Ratio Lower Upper

92 100

91 177.6 142.1 213.1



Abundance Ion 92.00 (91.70 to 92.70): VU033377.D (-1874) (-)

Ion 91.00 (90.70 to 91.70): VU033377.D (-1874) (-)

400000

300000

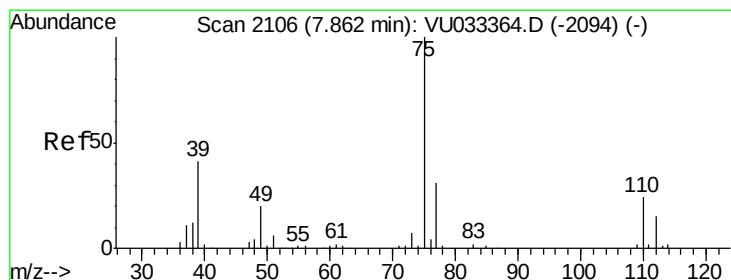
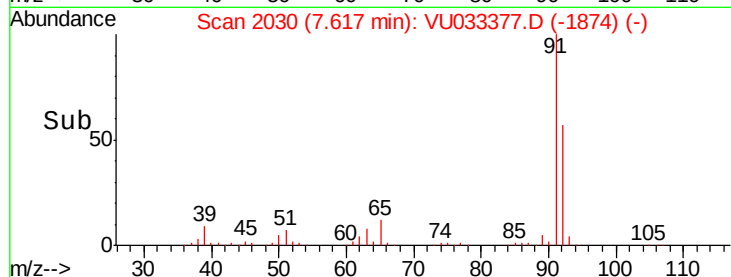
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#50

t-1,3-Dichloropropene

Concen: 0.441 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.24 min

Lab File: VU033377.D

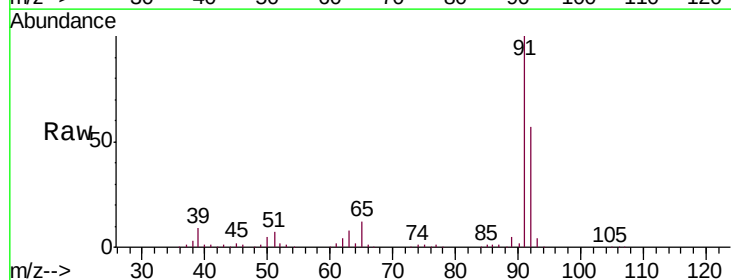
Acq: 23 Jul 2019 13:16

Tgt Ion: 75 Resp: 4671

Ion Ratio Lower Upper

75 100

77 144.3 25.2 37.8#



Abundance Ion 75.00 (74.70 to 75.70): VU033377.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VU033377.D (-1950) (-)

4000

3000

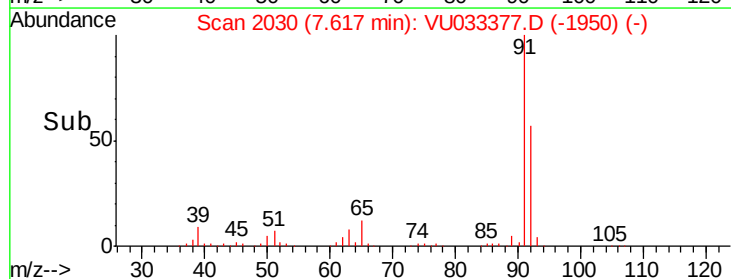
2000

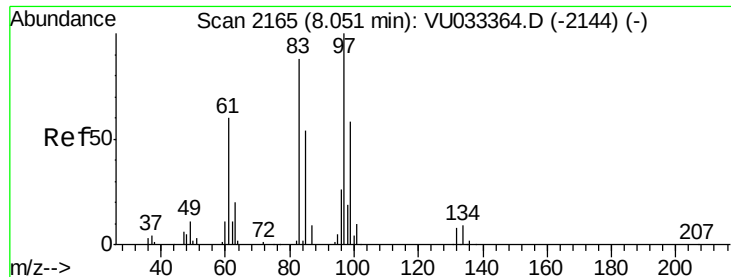
1000

0

7.55 7.60 7.65 7.70

Time-->

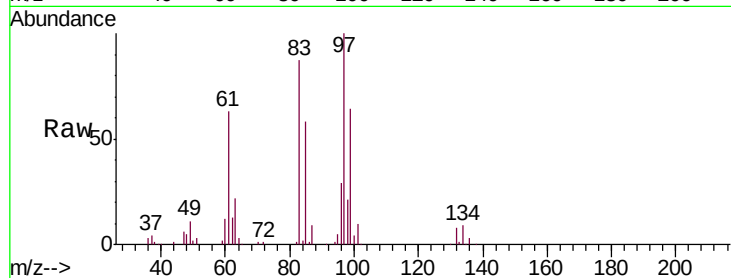




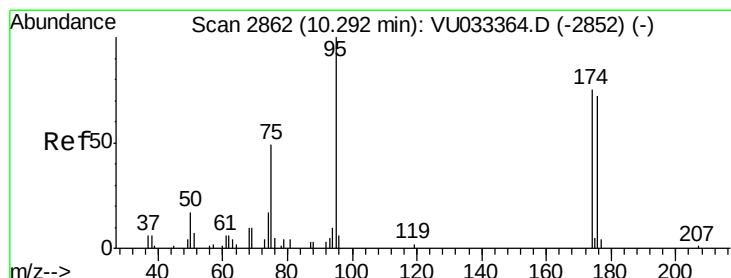
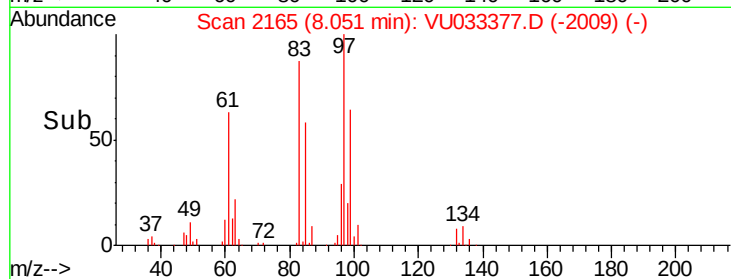
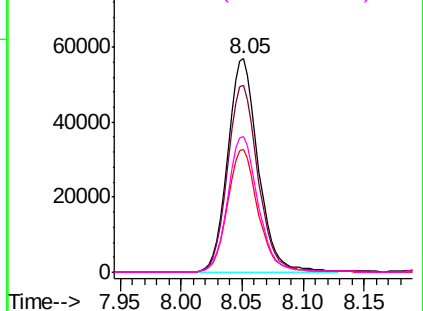
#52
 1,1,2-Trichloroethane
 Concen: 14.144 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033377.D
 Acq: 23 Jul 2019 13:16

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Tgt Ion:	97	Resp:	99633
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.2	105.2
85	57.7	43.5	65.3
99	63.6	47.9	71.9

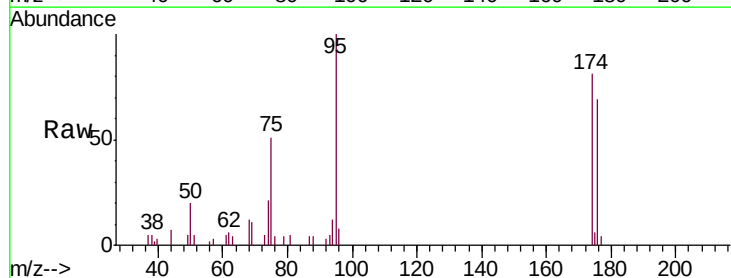


Abundance Ion 97.00 (96.70 to 97.70): VU033364.D (-2144) (-)

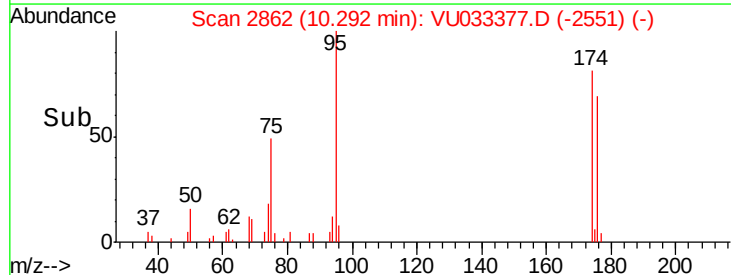
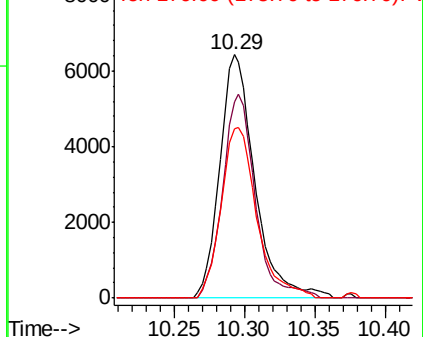


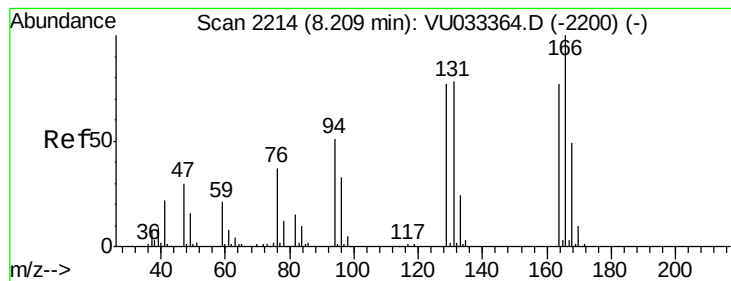
#57
 4-Bromofluorobenzene
 Concen: 0.981 ug/l
 RT: 10.29 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VU033377.D
 Acq: 23 Jul 2019 13:16

Tgt Ion:	95	Resp:	11123
Ion	Ratio	Lower	Upper
95	100		
174	78.1	58.8	88.2
176	71.7	54.4	81.6



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





#58

Tetrachloroethene

Concen: 13.859 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

Tgt Ion:164 Resp: 114451

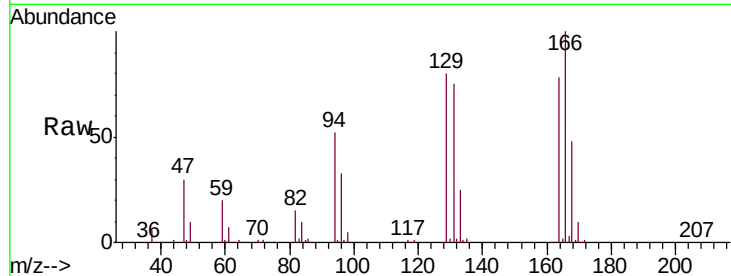
Ion Ratio Lower Upper

164 100

166 128.6 103.8 155.6

129 103.3 79.7 119.5

131 97.1 80.5 120.7

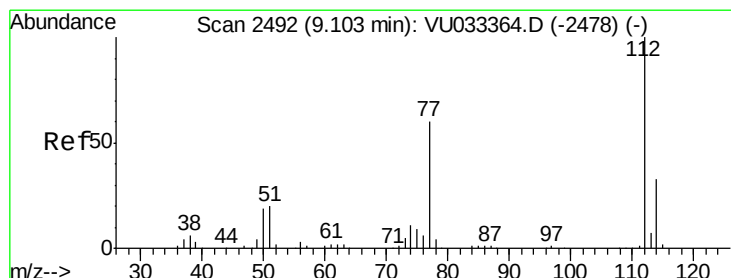
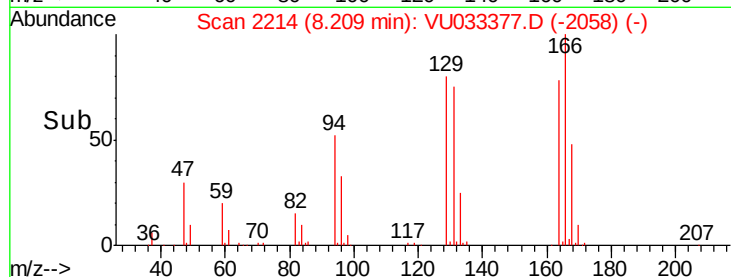
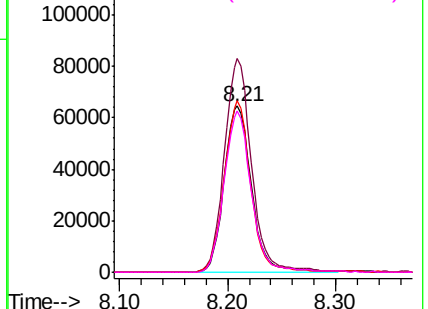


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 20.679 ug/l

RT: 9.10 min Scan# 2492

Delta R.T. -0.00 min

Lab File: VU033377.D

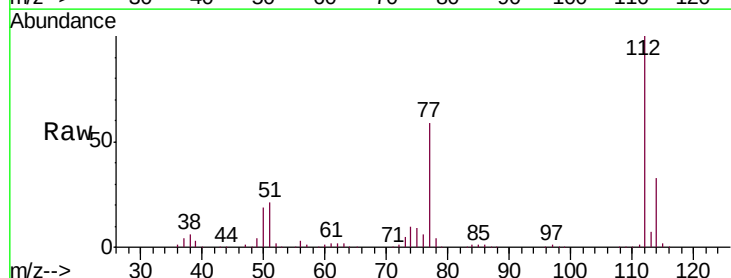
Acq: 23 Jul 2019 13:16

Tgt Ion:112 Resp: 468616

Ion Ratio Lower Upper

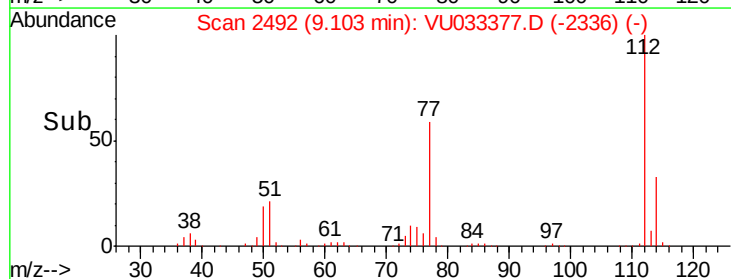
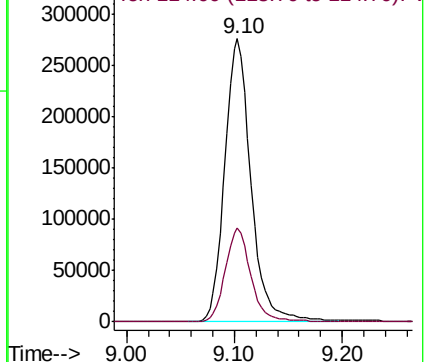
112 100

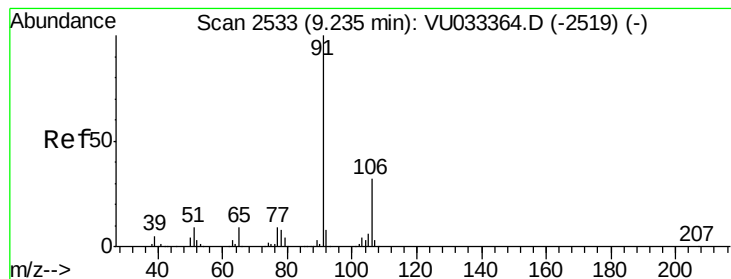
114 33.0 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#63

Ethyl Benzene

Concen: 9.765 ug/l

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

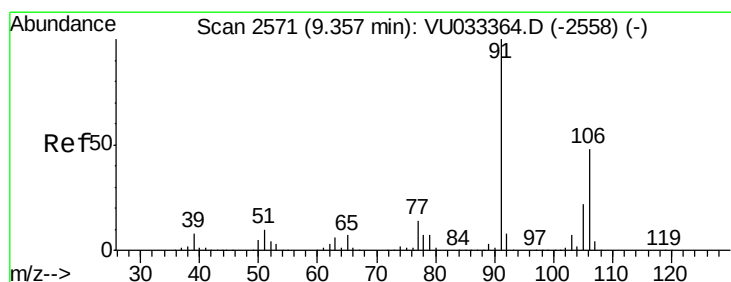
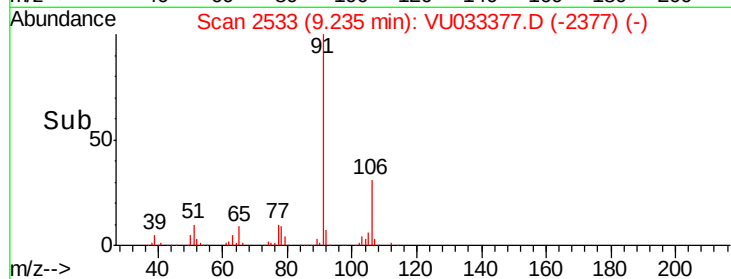
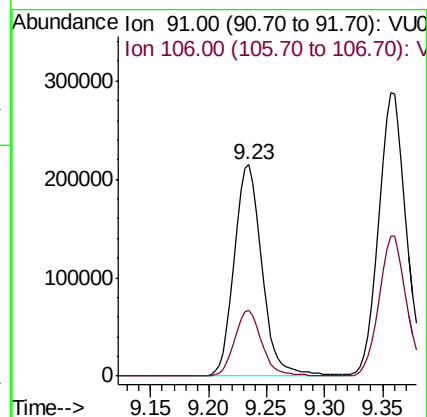
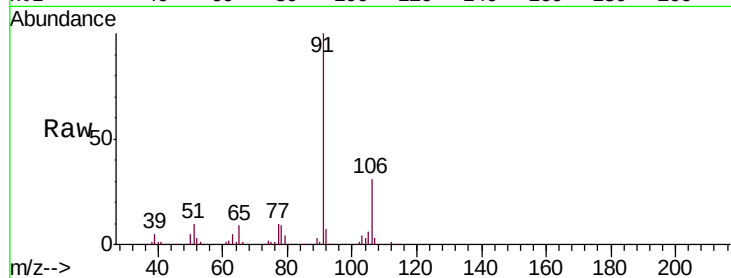
PT-RVOA-WS

Tgt Ion: 91 Resp: 355327

Ion Ratio Lower Upper

91 100

106 31.2 25.4 38.2



#64

m/p-Xylenes

Concen: 16.381 ug/l

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033377.D

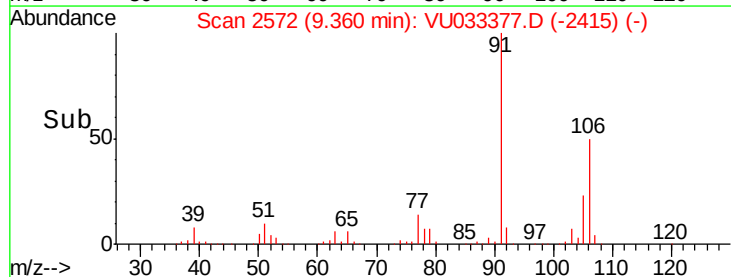
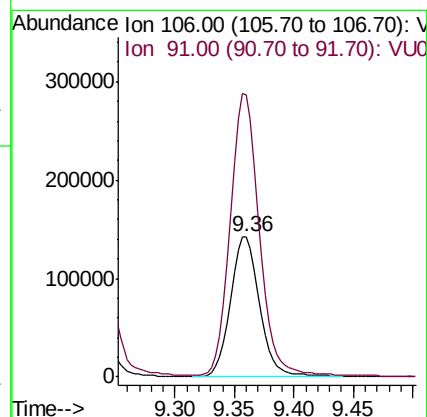
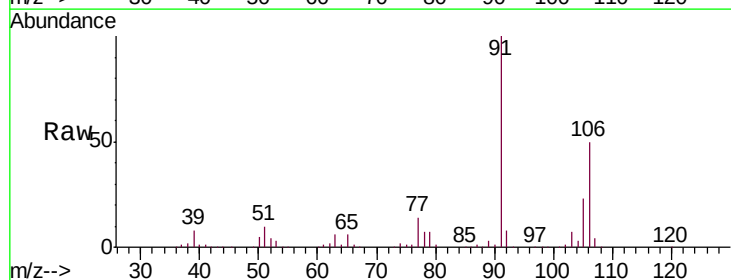
Acq: 23 Jul 2019 13:16

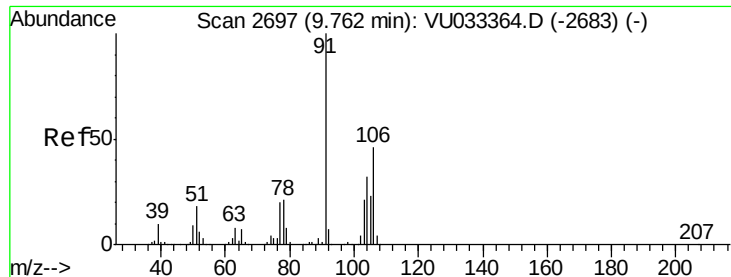
Tgt Ion: 106 Resp: 238322

Ion Ratio Lower Upper

106 100

91 206.5 167.1 250.7





#65

o-Xylene

Concen: 8.148 ug/l

RT: 9.77 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

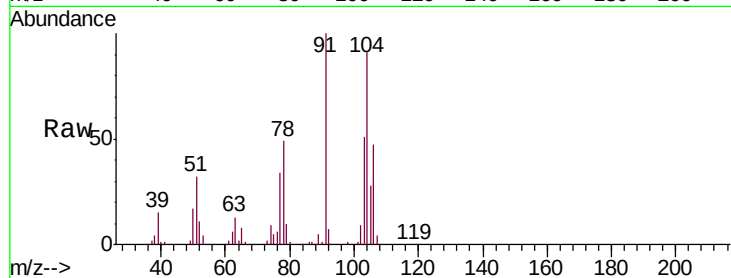
PT-RVOA-WS

Tgt Ion:106 Resp: 113602

Ion Ratio Lower Upper

106 100

91 219.7 108.5 325.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

150000

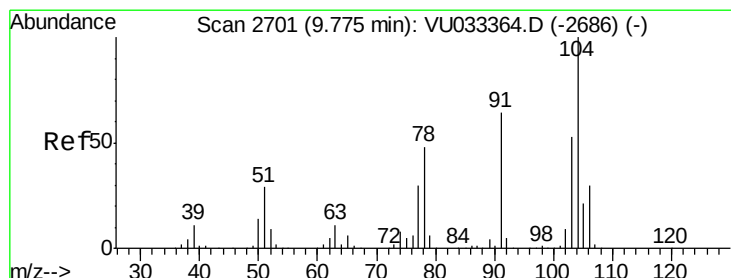
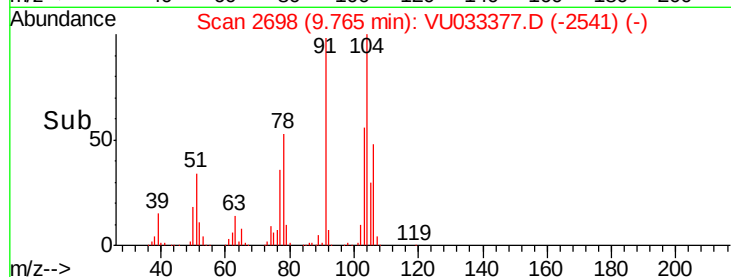
100000

50000

0

9.70 9.75 9.80 9.85

Time-->



#66

Styrene

Concen: 18.132 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

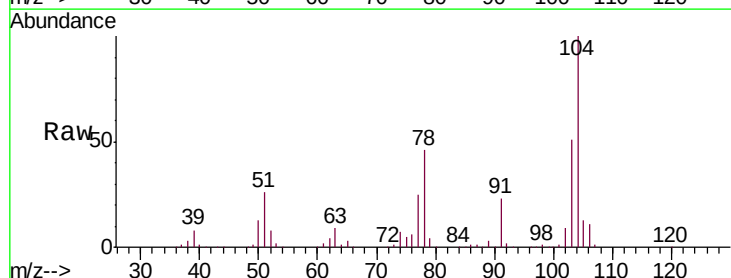
Tgt Ion:104 Resp: 428808

Ion Ratio Lower Upper

104 100

78 48.2 41.2 61.8

103 52.2 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

300000

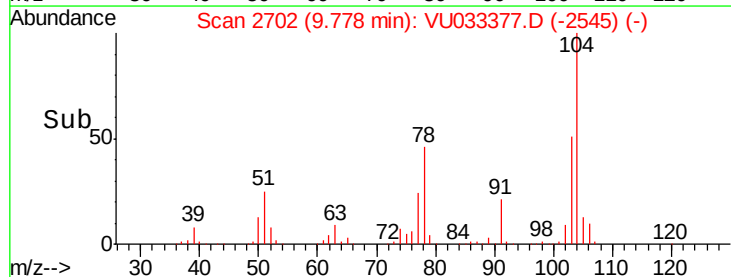
200000

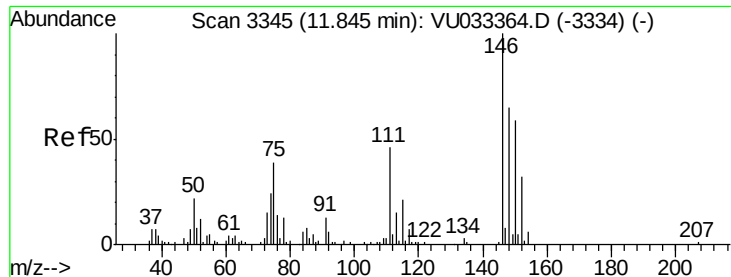
100000

0

9.70 9.75 9.80 9.85

Time-->





#68

1,2-Dichlorobenzene-d4

Concen: 0.999 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

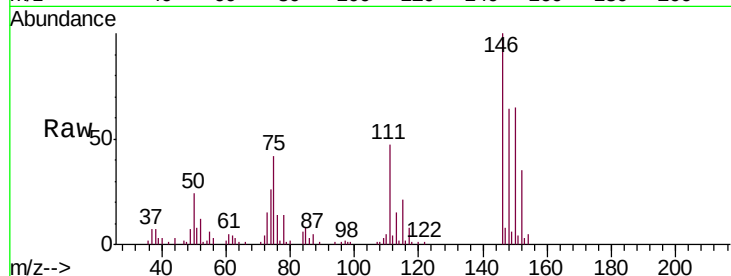
Tgt Ion:152 Resp: 11693

Ion Ratio Lower Upper

152 100

115 63.4 0.0 123.2

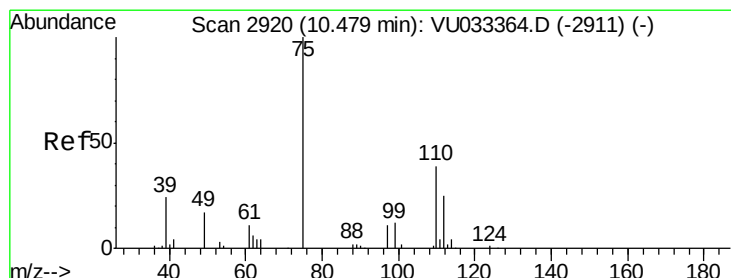
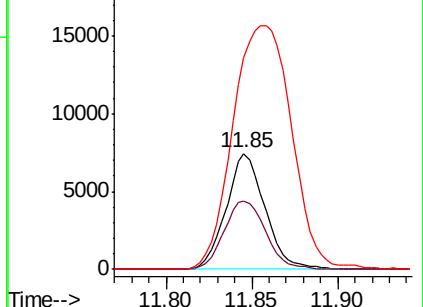
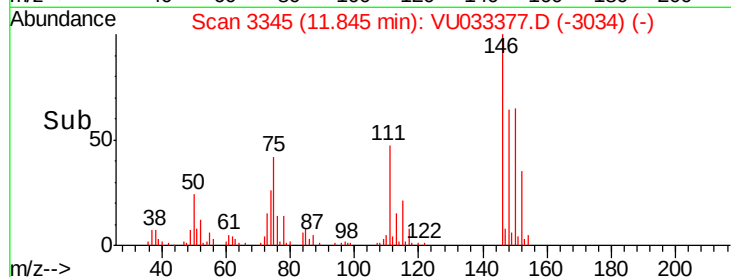
150 317.9 0.0 648.4



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



#71

1,2,3-Trichloropropane

Concen: 0.796 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.19 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Tgt Ion: 75 Resp: 5737

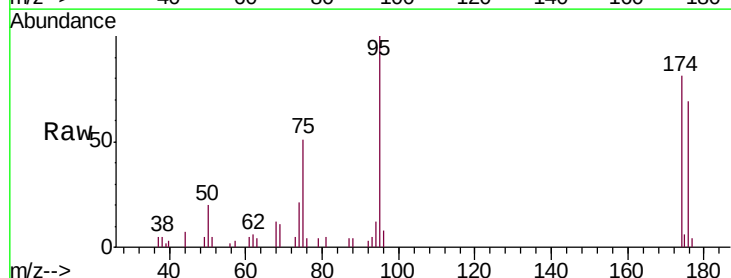
Ion Ratio Lower Upper

75 100

77 0.7 0.0 18.2

110 0.0 0.0 71.4

97 0.0 0.0 37.8

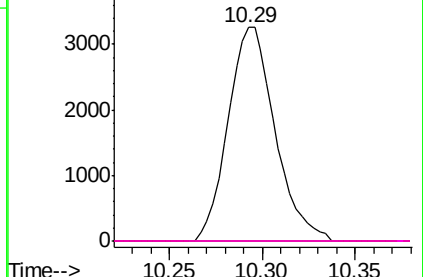
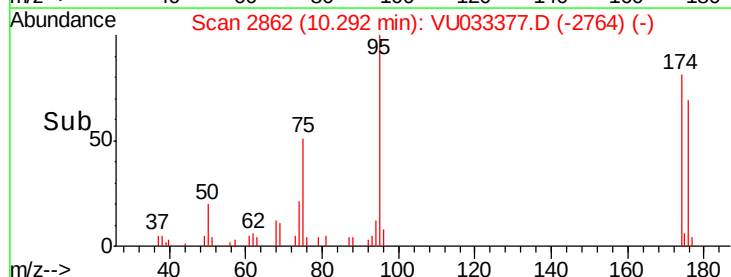


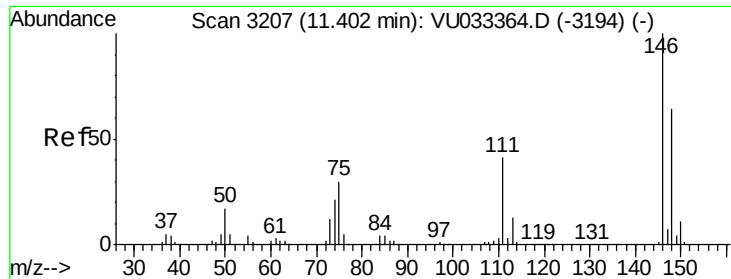
Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0





#82

1,3-Dichlorobenzene

Concen: 3.090 ug/l

RT: 11.49 min Scan# 3235

Delta R.T. 0.09 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

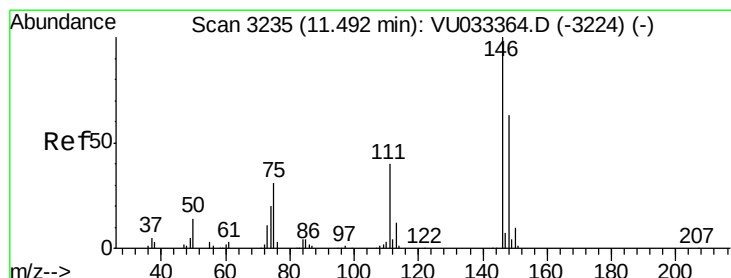
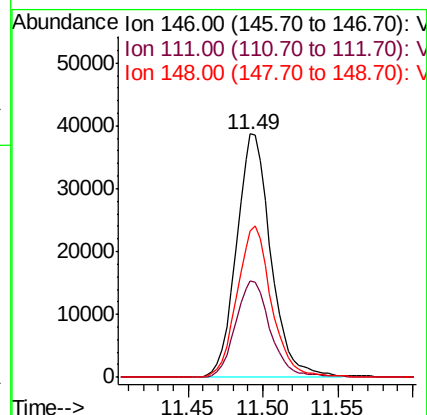
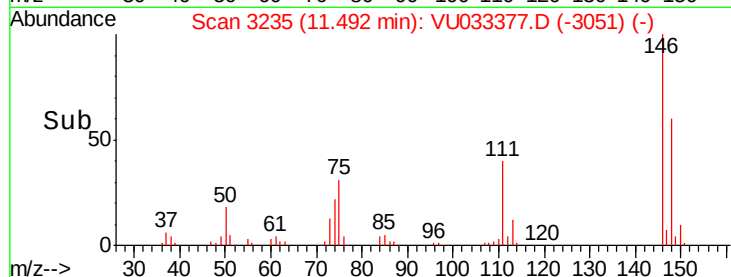
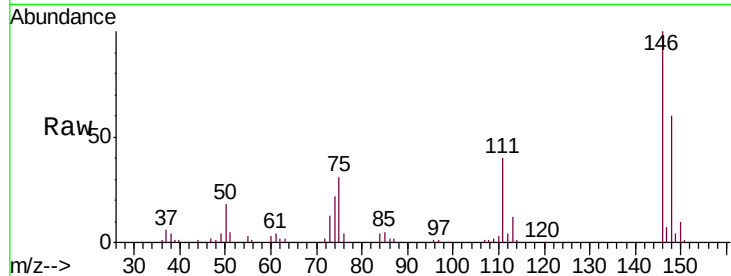
Tgt Ion:146 Resp: 62015

Ion Ratio Lower Upper

146 100

111 40.0 33.3 49.9

148 62.4 50.8 76.2



#83

1,4-Dichlorobenzene

Concen: 3.123 ug/l

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

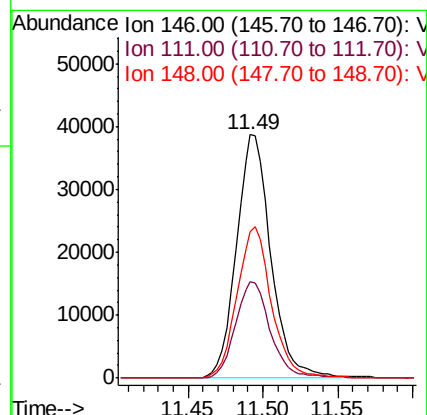
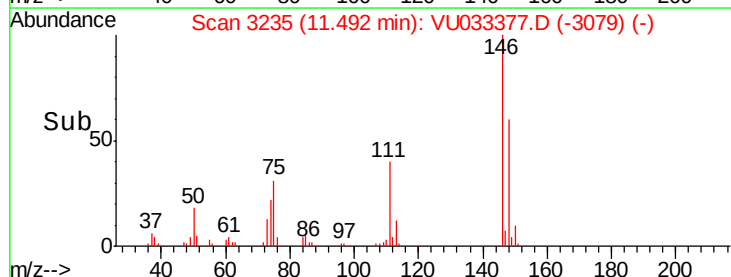
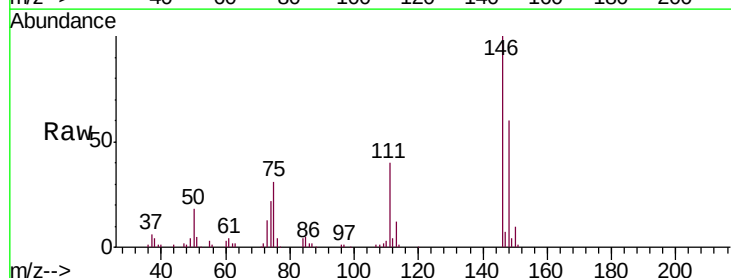
Tgt Ion:146 Resp: 62015

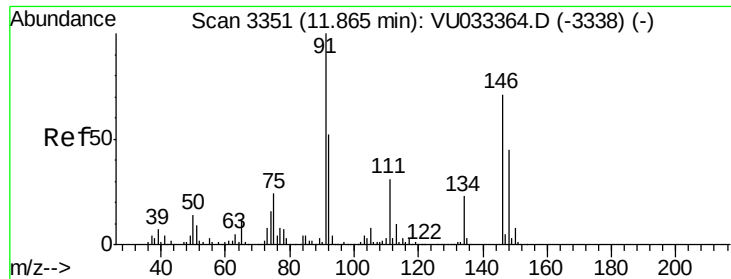
Ion Ratio Lower Upper

146 100

111 40.0 32.2 48.4

148 62.4 51.0 76.4

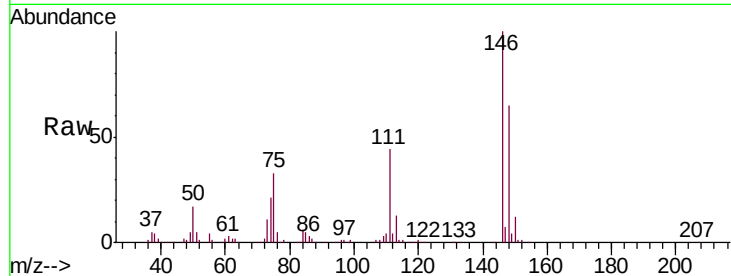




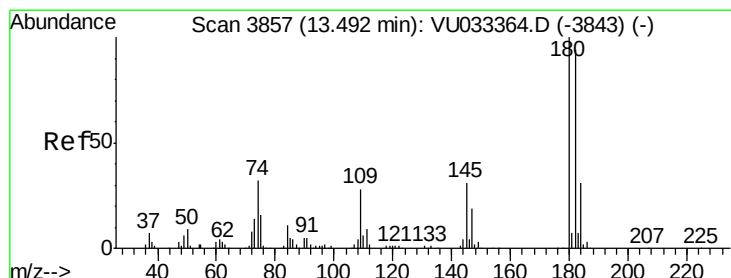
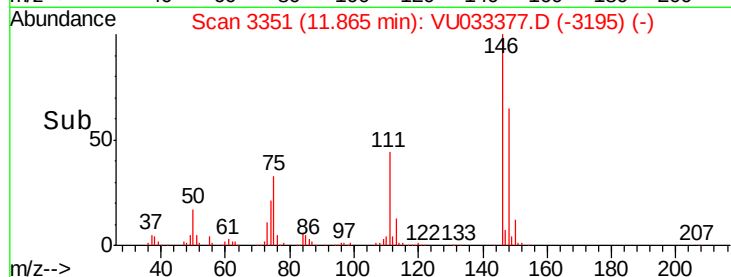
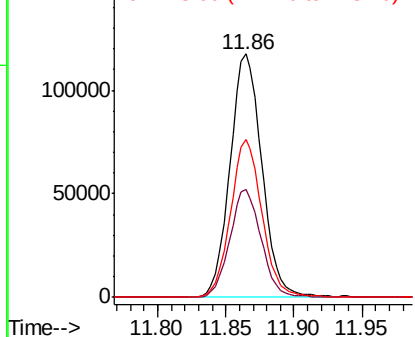
#85
 1,2-Dichlorobenzene
 Concen: 10.158 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033377.D
 Acq: 23 Jul 2019 13:16

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Tgt Ion:146 Resp: 191156
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.7 65.1
 148 64.0 32.0 96.0

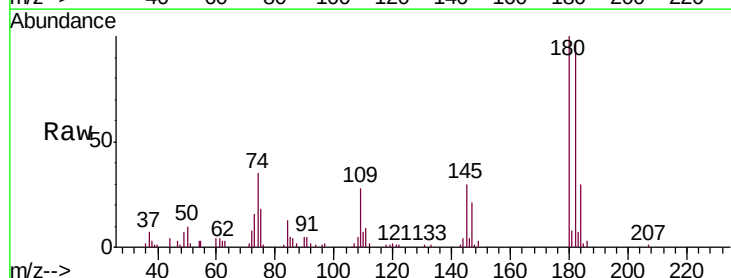


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

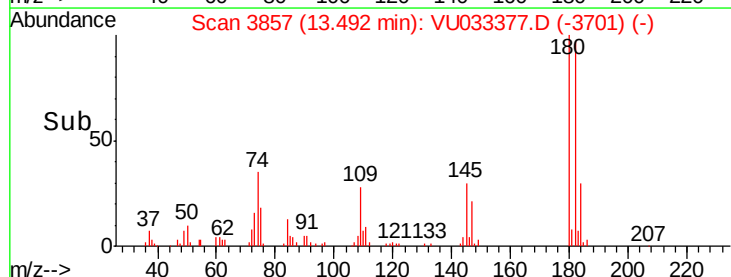
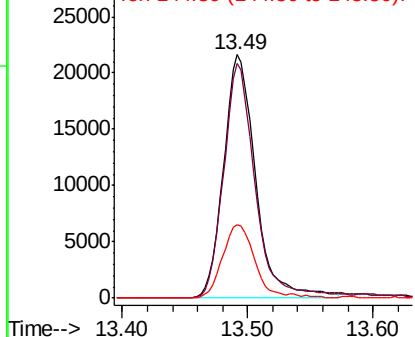


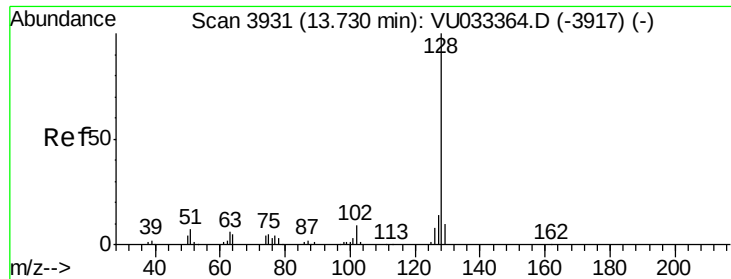
#87
 1,2,4-Trichlorobenzene
 Concen: 3.428 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033377.D
 Acq: 23 Jul 2019 13:16

Tgt Ion:180 Resp: 38381
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.2 114.4
 145 30.7 25.0 37.4



Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#89

Naphthalene

Concen: 0.662 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. -0.00 min

Lab File: VU033377.D

Acq: 23 Jul 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

Tgt Ion:128 Resp: 96

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.5 12.7#

