

Data File : VU034483.D
Acq On : 11 Sep 2019 18:42
Operator : JC/SP
Sample : PB122980TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB122980TB

Quant Time: Sep 12 04:41:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	236587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	382841	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	387215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	211541	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	223677	62.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.98%	
35) Dibromofluoromethane	4.86	113	191630	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
50) Toluene-d8	7.54	98	703359	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	10.29	95	233020	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	

Target Compounds			Qvalue			
5) Bromomethane	1.63	94	946	Below Cal		99
6) Chloroethane	1.67	64	140	Below Cal	#	53
10) Methyl Iodide	2.41	142	750	4.123	ug/l #	83
11) Tert butyl alcohol	2.83	59	506	0.669	ug/l #	73
13) Acrolein	2.19	56	141	0.222	ug/l	93
16) Acetone	2.33	43	11409	6.159	ug/l	95
17) Carbon Disulfide	2.47	76	1411	0.244	ug/l #	88
18) Methyl Acetate	2.61	43	4885	1.084	ug/l	92
20) Methylene Chloride	2.69	84	5403	1.392	ug/l	93
29) Tetrahydrofuran	4.65	42	1047	0.696	ug/l #	43
31) Cyclohexane	4.96	56	4389	1.047	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	16062	3.869	ug/l #	45
38) Carbon Tetrachloride	4.96	117	21044	4.747	ug/l #	15
43) Isopropyl Acetate	5.53	43	93754	12.243	ug/l	99
45) 1,2-Dichloropropane	6.69	63	2157	0.551	ug/l #	44
48) Methyl methacrylate	6.68	41	156324	42.979	ug/l #	37
49) 1,4-Dioxane	6.62	88	167	2.103	ug/l #	22
51) 4-Methyl-2-Pentanone	7.40	43	81058	15.292	ug/l #	46
54) cis-1,3-Dichloropropene	7.40	75	43378	7.534	ug/l #	65
56) Ethyl methacrylate	8.02	69	586	3.171	ug/l #	28
59) 2-Hexanone	8.40	43	108943	27.511	ug/l #	54
68) m/p-Xylenes	9.37	106	1835	0.303	ug/l	95
74) N-amyl acetate	10.00	43	1779	0.321	ug/l #	89
76) 1,2,3-Trichloropropane	10.29	75	109648	23.746	ug/l #	36
77) Bromobenzene	10.44	156	1080	0.281	ug/l	89
78) n-propylbenzene	10.57	91	4334	0.273	ug/l	91
79) 2-Chlorotoluene	10.64	91	2342	0.241	ug/l	88
80) 1,3,5-Trimethylbenzene	10.75	105	13056	1.134	ug/l	94
81) trans-1,4-Dichloro-2-buten	10.29	75	109648	79.856	ug/l #	100
82) 4-Chlorotoluene	10.76	91	4782	0.428	ug/l	86
84) 1,2,4-Trimethylbenzene	11.13	105	2439	0.210	ug/l	91
85) sec-Butylbenzene	11.30	105	3107	0.228	ug/l	91
86) p-Isopropyltoluene	11.46	119	2836	0.226	ug/l #	76
87) 1,3-Dichlorobenzene	11.40	146	3058	0.435	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	11.40	146	3058	0.417	ug/l	93
89) n-Butylbenzene	11.87	91	5327	0.488	ug/l	85
91) 1,2-Dichlorobenzene	11.86	146	2483	0.360	ug/l	96
93) 1,2,4-Trichlorobenzene	13.49	180	3067	4.022	ug/l #	90
94) Hexachlorobutadiene	13.67	225	2293	0.950	ug/l	90
95) Naphthalene	13.73	128	14886	4.938	ug/l	96
96) 1,2,3-Trichlorobenzene	13.98	180	4770	3.573	ug/l #	92

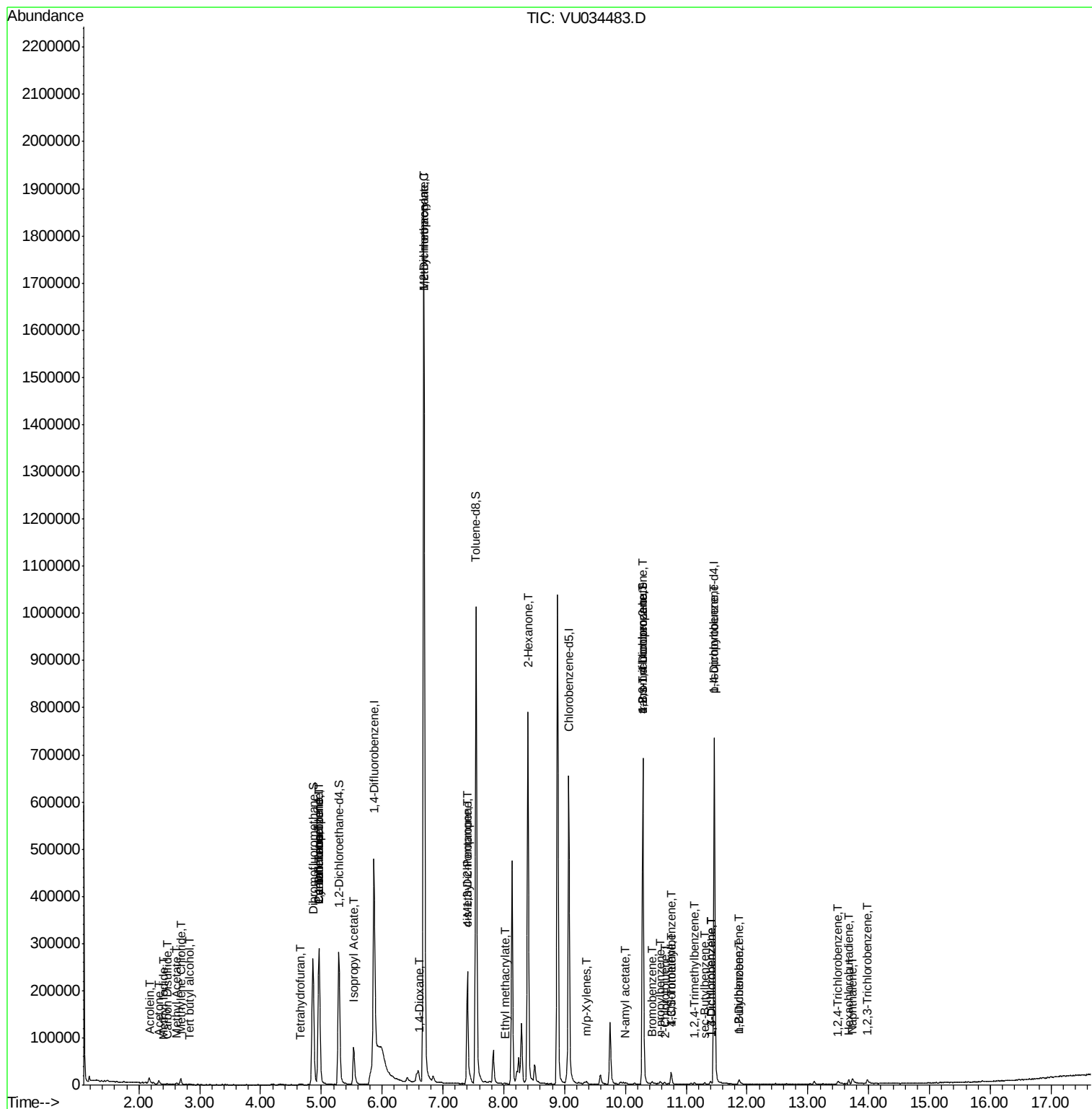
(#) = qualifier out of range (m) = manual integration (+) = signals summed

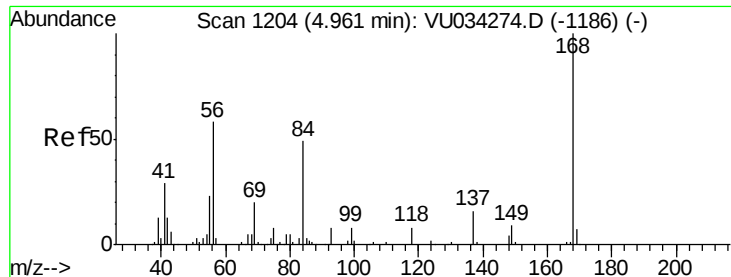
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ALS Vial      : 6      Sample Multiplier: 1
```

MSVOA U

ClientSampleId :
PB122980TB

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

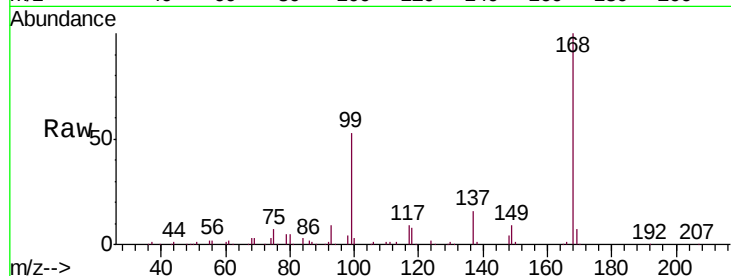
PB122980TB

Tgt Ion:168 Resp: 236587

Ion Ratio Lower Upper

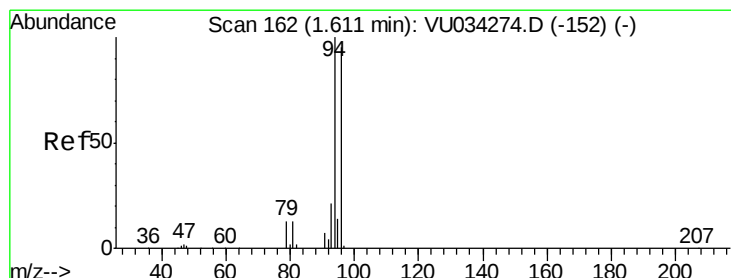
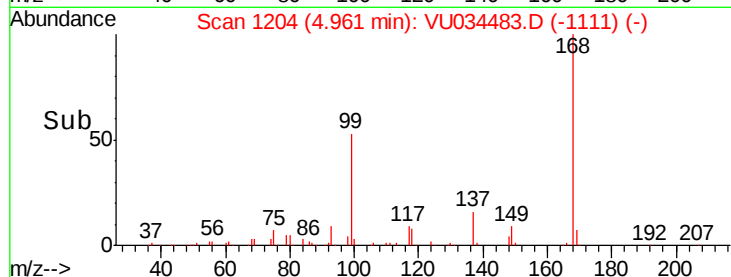
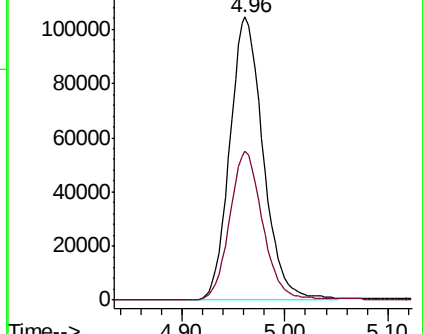
168 100

99 52.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034483.D

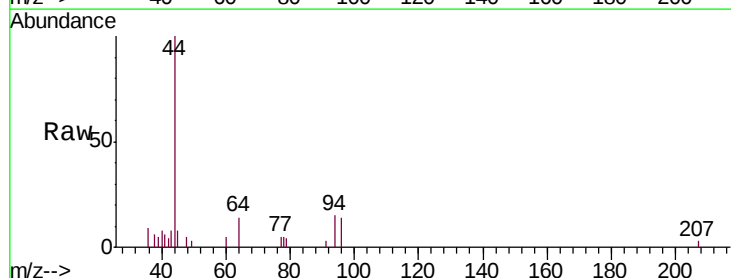
Acq: 11 Sep 2019 18:42

Tgt Ion: 94 Resp: 946

Ion Ratio Lower Upper

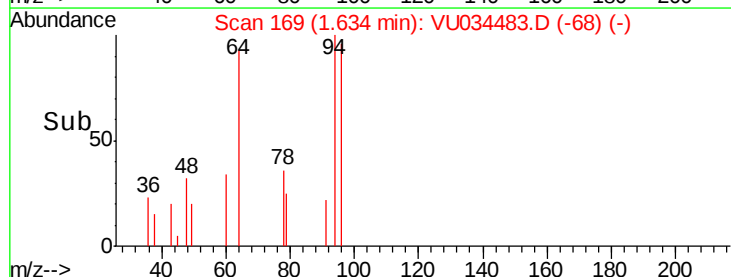
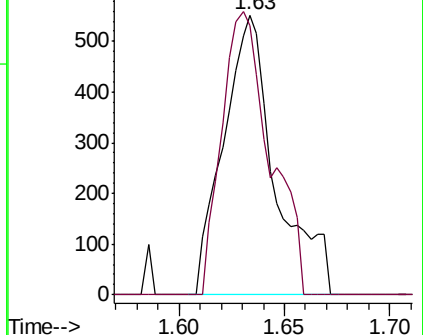
94 100

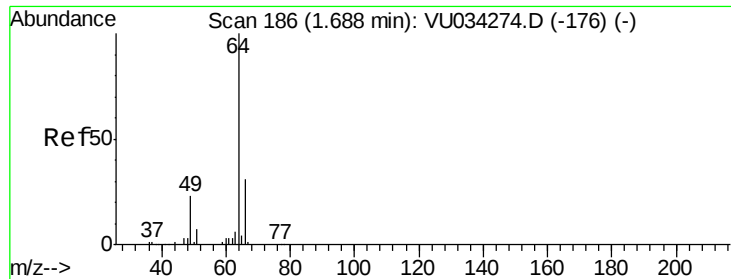
96 96.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 180

Delta R.T. -0.02 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

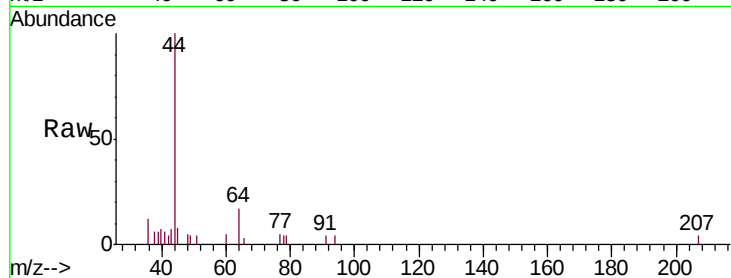
PB122980TB

Tgt Ion: 64 Resp: 140

Ion Ratio Lower Upper

64 100

66 57.4 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034483.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034483.D (-93) (-)

1.67

600

500

400

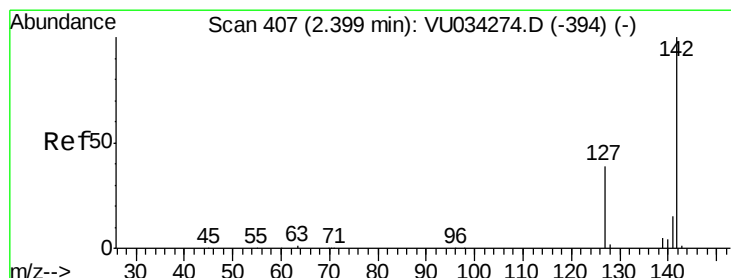
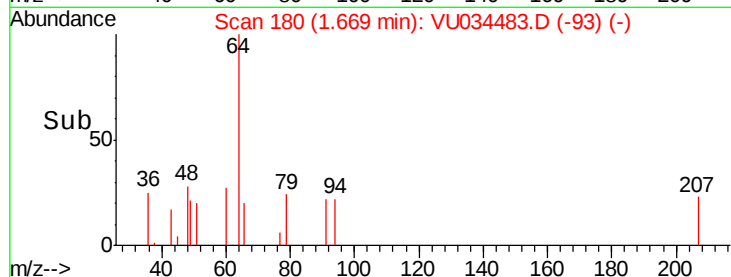
300

200

100

0

Time--> 1.65 1.66 1.67 1.68



#10

Methyl Iodide

Concen: 4.123 ug/l

RT: 2.41 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

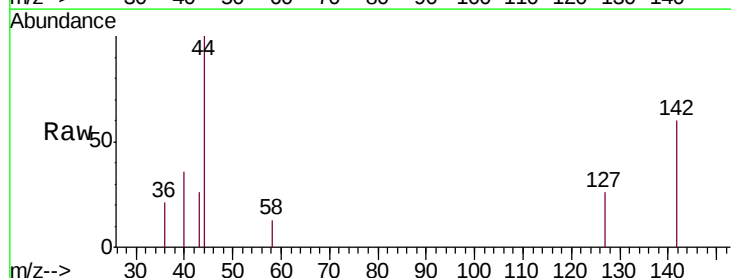
Tgt Ion: 142 Resp: 750

Ion Ratio Lower Upper

142 100

127 46.7 32.1 48.1

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VU034483.D (-313) (-)

Ion 126.80 (126.50 to 127.50): VU034483.D (-313) (-)

Ion 140.80 (140.50 to 141.50): VU034483.D (-313) (-)

2.41

600

500

400

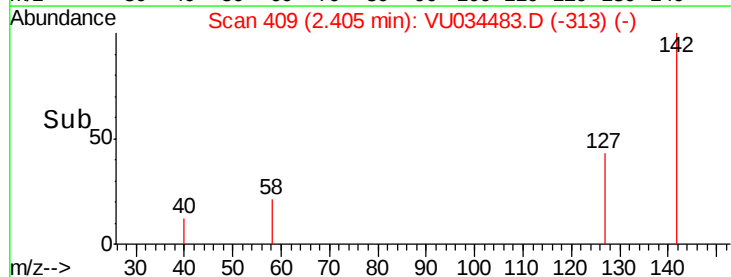
300

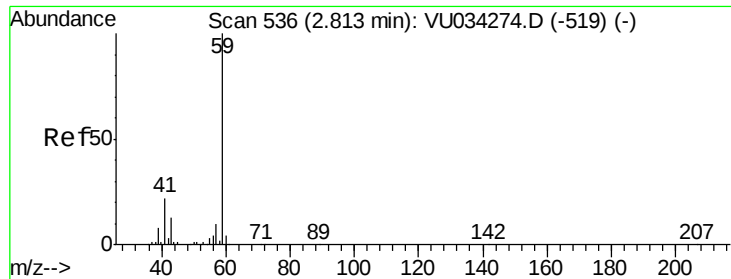
200

100

0

Time--> 2.36 2.38 2.40 2.42 2.44

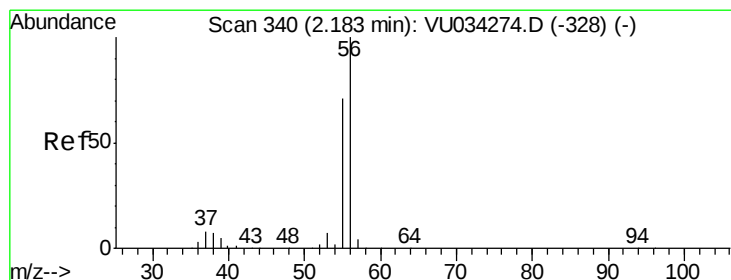
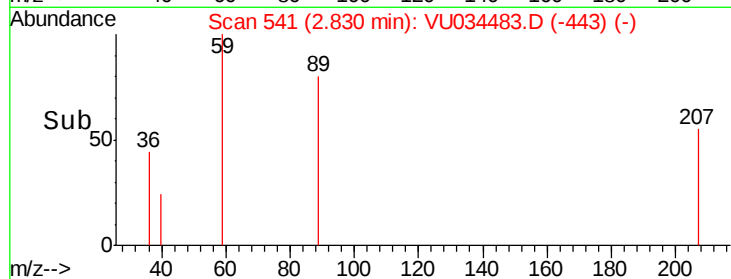
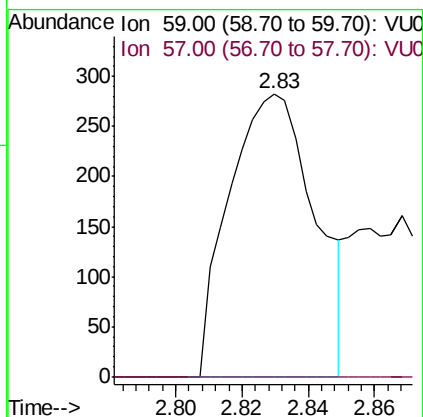
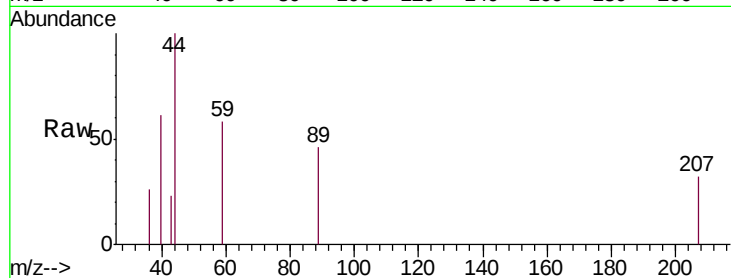




#11
Tert butyl alcohol
Concen: 0.669 ug/l
RT: 2.83 min Scan# 541
Delta R.T. 0.02 min
Lab File: VU034483.D
Acq: 11 Sep 2019 18:42

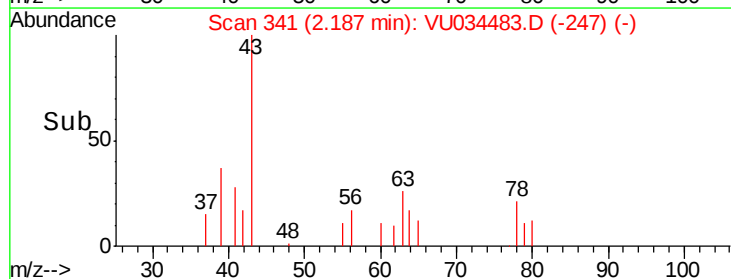
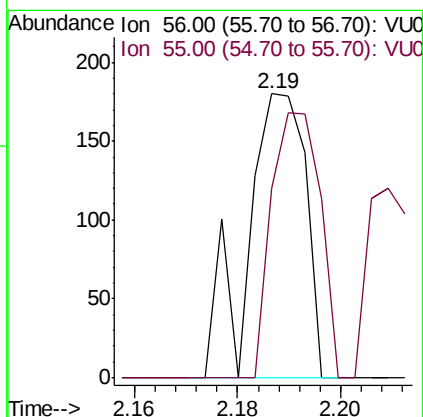
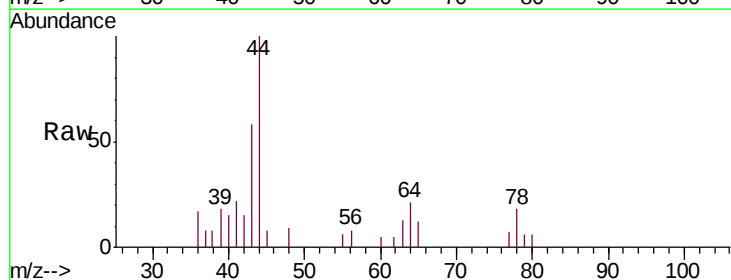
Instrument :
MSVOA_U
ClientSampleId :
PB122980TB

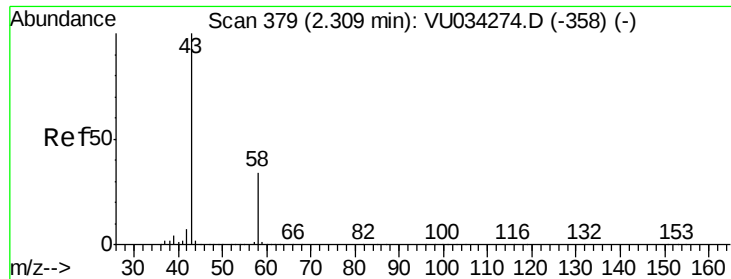
Tgt Ion: 59 Resp: 506
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#13
Acrolein
Concen: 0.222 ug/l
RT: 2.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: VU034483.D
Acq: 11 Sep 2019 18:42

Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 78.0 57.4 86.2





#16

Acetone

Concen: 6.159 ug/l

RT: 2.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

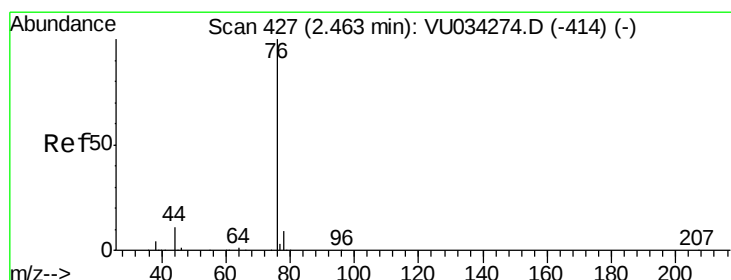
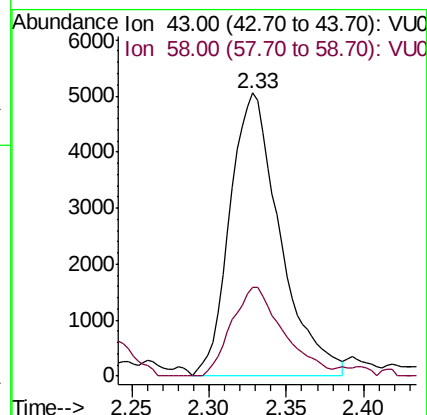
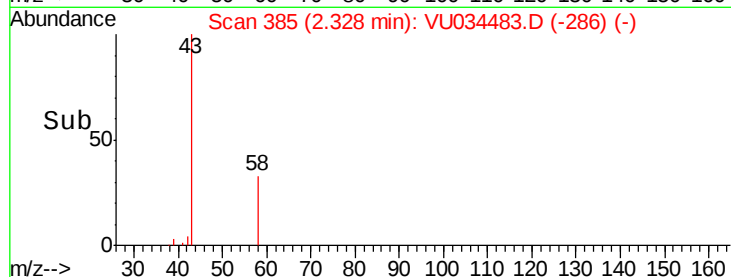
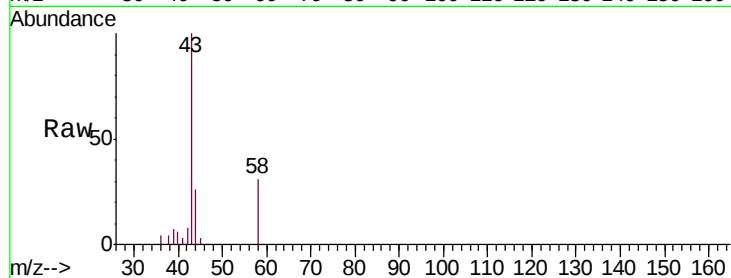
PB122980TB

Tgt Ion: 43 Resp: 11409

Ion Ratio Lower Upper

43 100

58 31.5 27.6 41.4



#17

Carbon Disulfide

Concen: 0.244 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034483.D

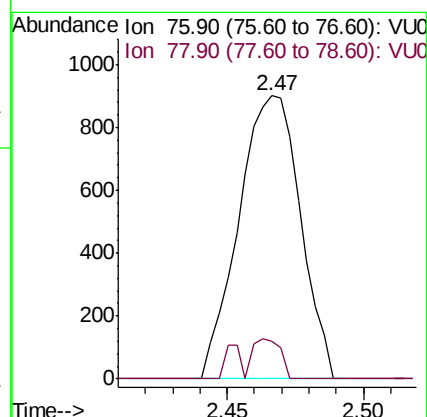
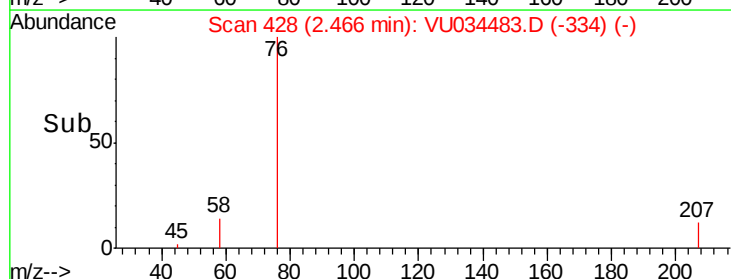
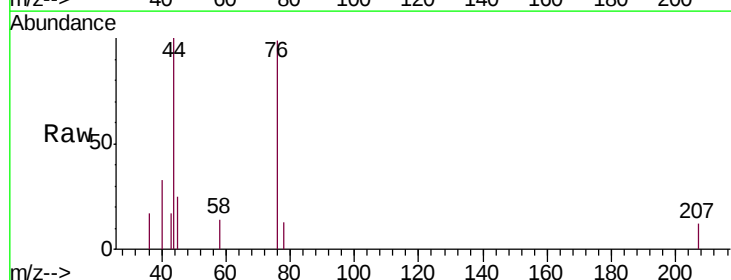
Acq: 11 Sep 2019 18:42

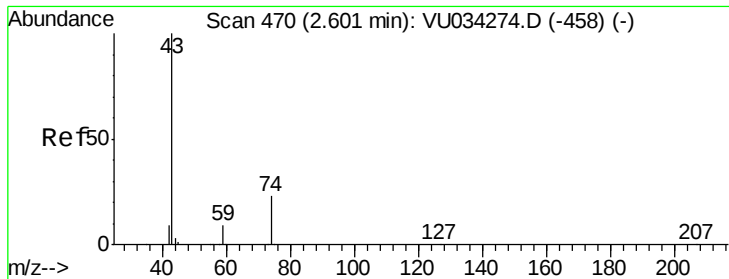
Tgt Ion: 76 Resp: 1411

Ion Ratio Lower Upper

76 100

78 13.2 7.2 10.8#

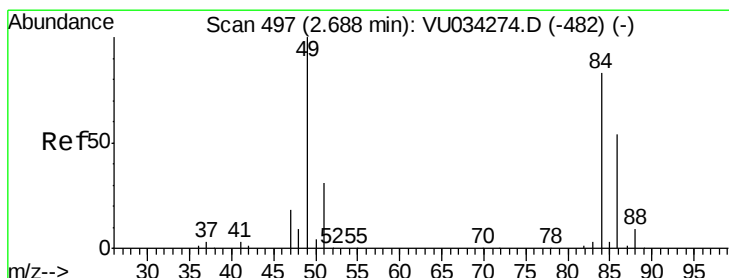
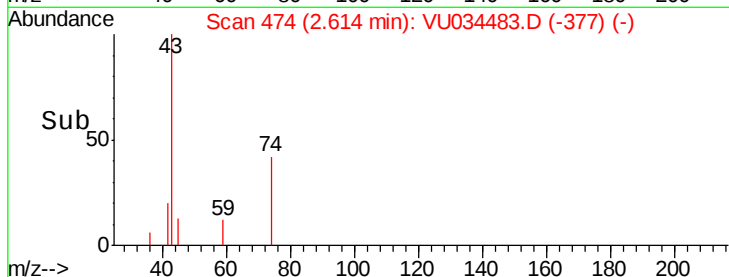
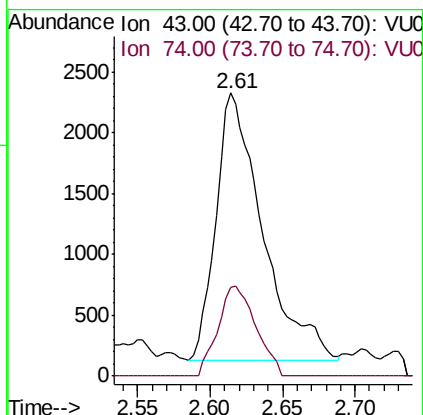
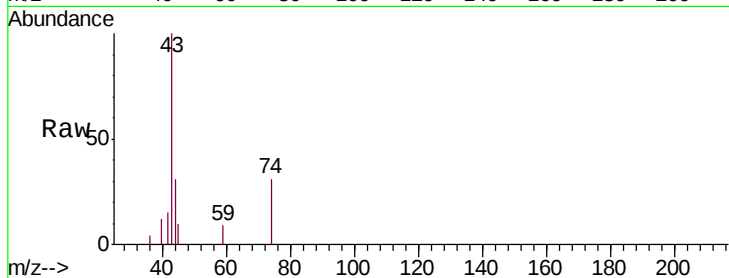




#18
Methyl Acetate
Concen: 1.084 ug/l
RT: 2.61 min Scan# 474
Delta R.T. 0.01 min
Lab File: VU034483.D
Acq: 11 Sep 2019 18:42

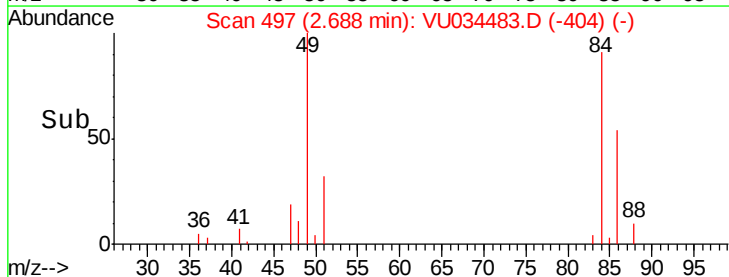
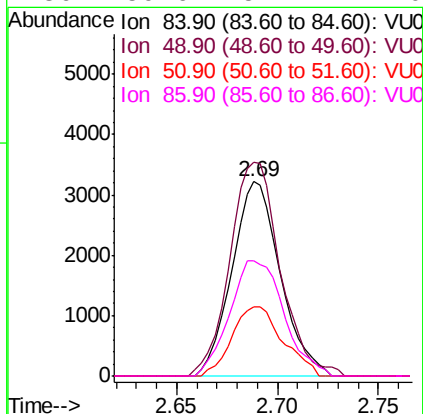
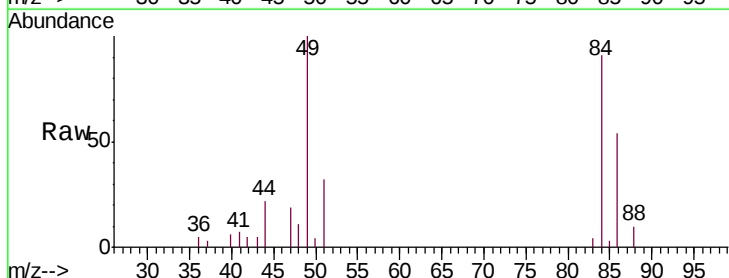
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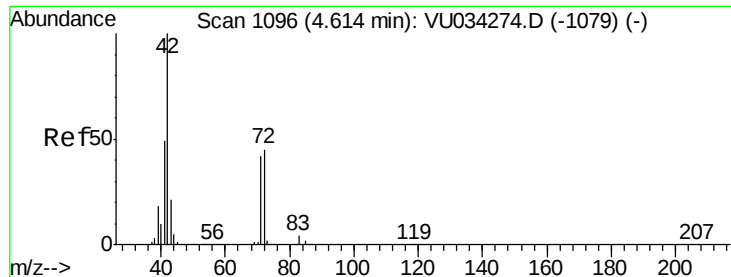
Tgt Ion: 43 Resp: 4885
Ion Ratio Lower Upper
43 100
74 27.3 18.9 28.3



#20
Methylene Chloride
Concen: 1.392 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034483.D
Acq: 11 Sep 2019 18:42

Tgt Ion: 84 Resp: 5403
Ion Ratio Lower Upper
84 100
49 109.9 96.0 144.0
51 35.3 30.0 45.0
86 59.6 51.4 77.0





#29

Tetrahydrofuran

Concen: 0.696 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.04 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

PB122980TB

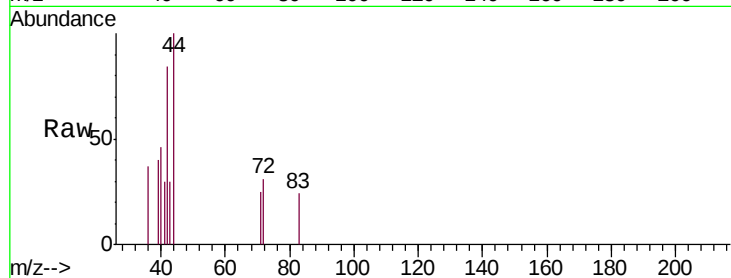
Tgt Ion: 42 Resp: 1047

Ion Ratio Lower Upper

42 100

72 10.3 36.6 54.8#

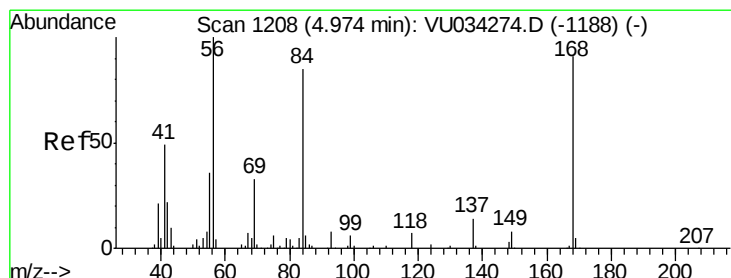
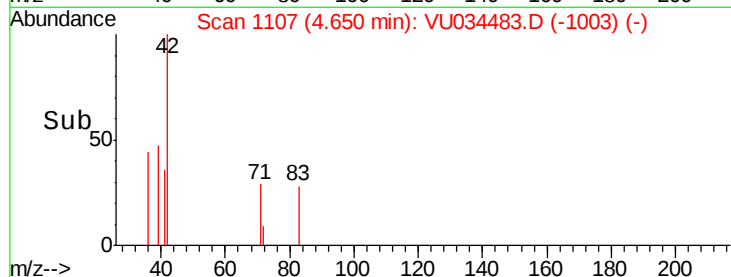
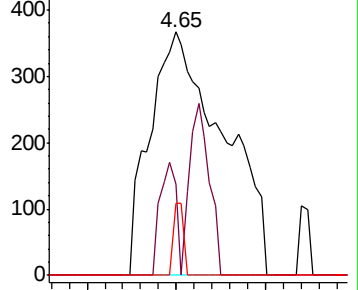
71 4.0 34.3 51.5#



Abundance Ion 42.00 (41.70 to 42.70): VU034483.D (-1107) (-)

Ion 72.00 (71.70 to 72.70): VU034483.D (-1107) (-)

Ion 71.00 (70.70 to 71.70): VU034483.D (-1107) (-)



#31

Cyclohexane

Concen: 1.047 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

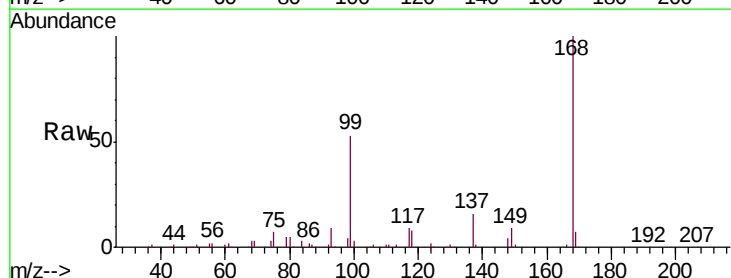
Tgt Ion: 56 Resp: 4389

Ion Ratio Lower Upper

56 100

69 164.4 26.7 40.1#

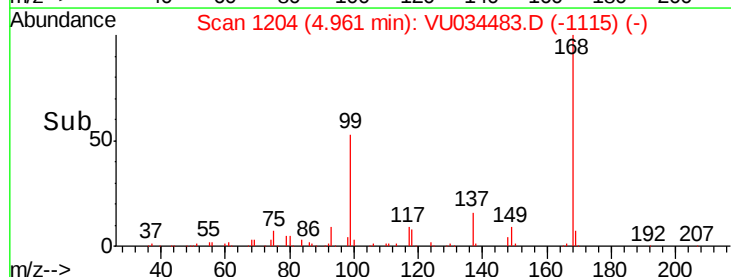
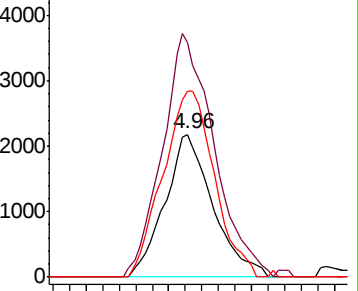
84 130.3 68.2 102.4#

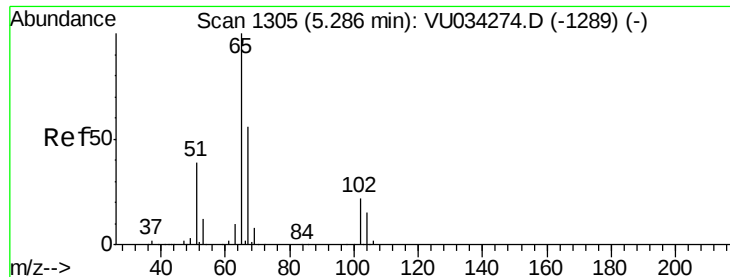


Abundance Ion 56.00 (55.70 to 56.70): VU034483.D (-1204) (-)

Ion 69.00 (68.70 to 69.70): VU034483.D (-1204) (-)

Ion 84.00 (83.70 to 84.70): VU034483.D (-1204) (-)





#33

1,2-Dichloroethane-d4

Concen: 62.486 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

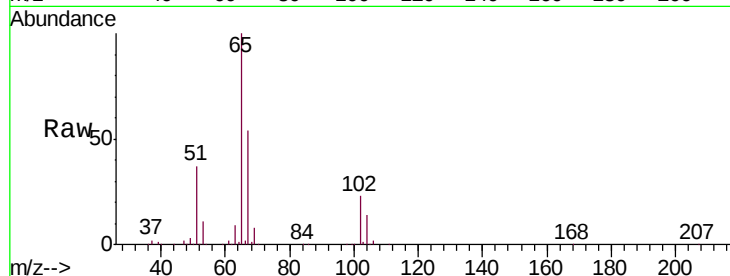
PB122980TB

Tgt Ion: 65 Resp: 223677

Ion Ratio Lower Upper

65 100

67 54.1 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034483.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034483.D (-1212) (-)

5.29

120000

100000

80000

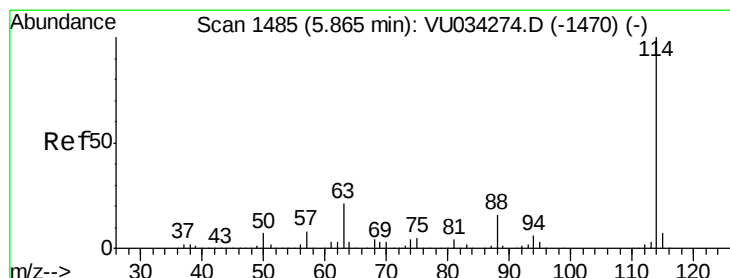
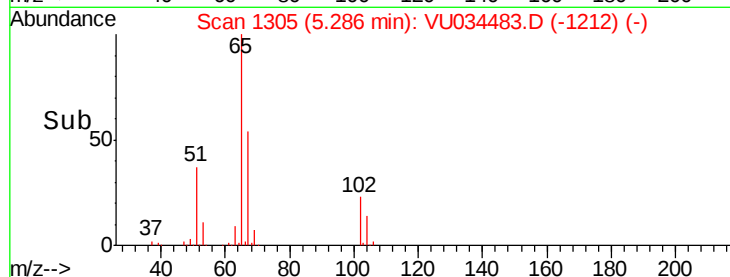
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

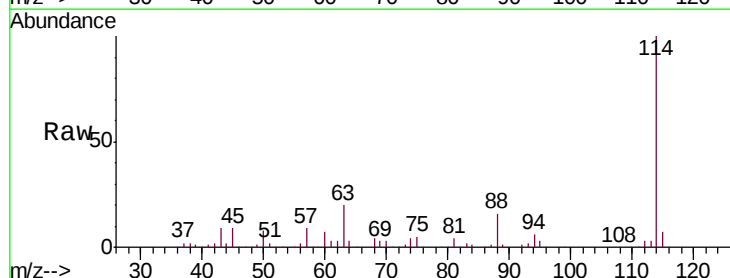
Tgt Ion: 114 Resp: 382841

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 16.1 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU034483.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034483.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034483.D (-1392) (-)

250000

200000

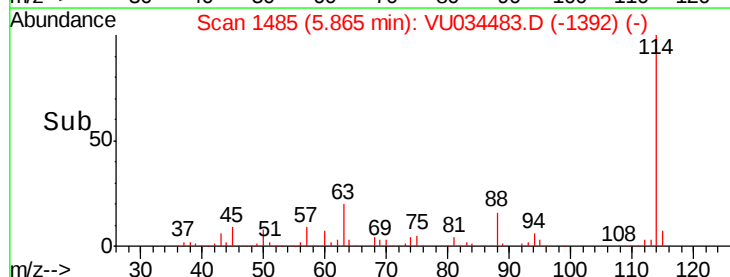
150000

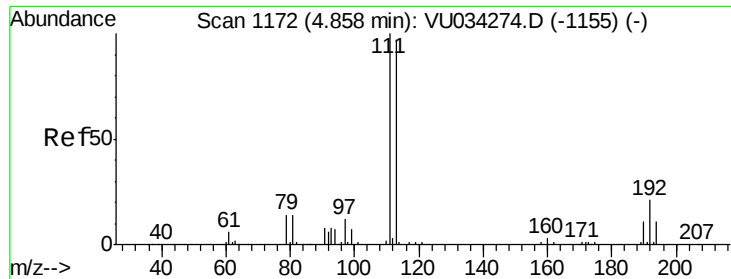
100000

50000

0

Time-->

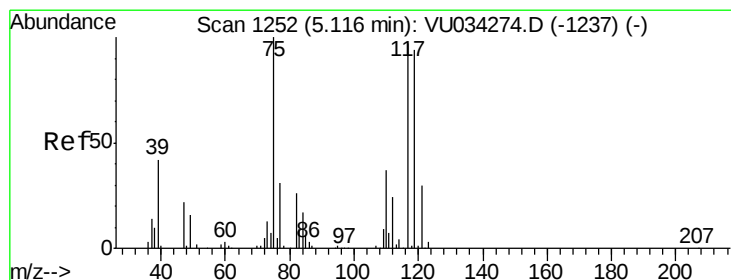
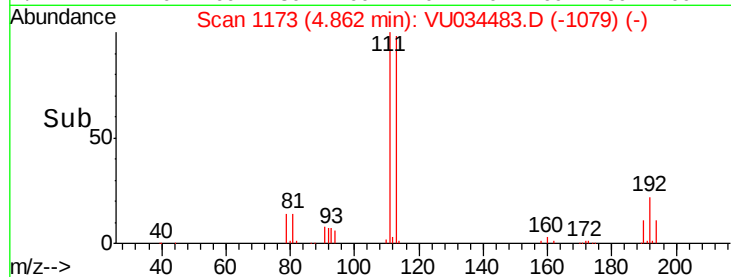
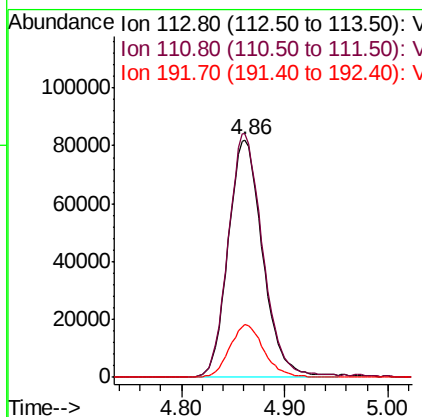
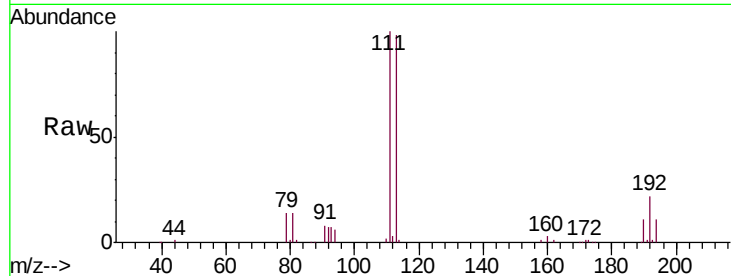




#35
 Dibromofluoromethane
 Concen: 53.793 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

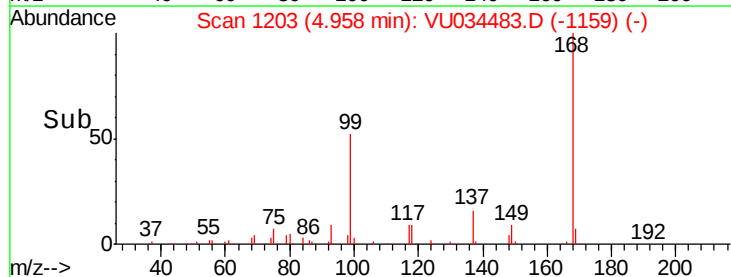
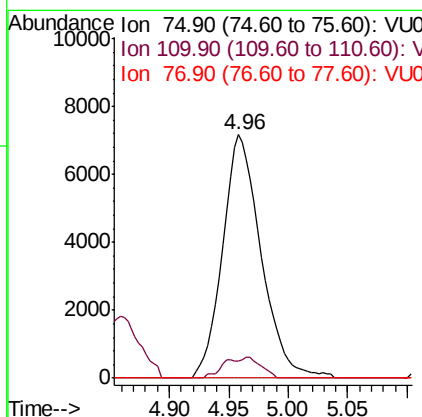
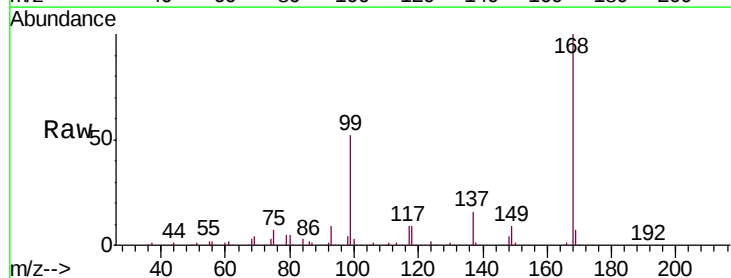
Instrument :
 MSVOA_U
 ClientSampleId :
 PB122980TB

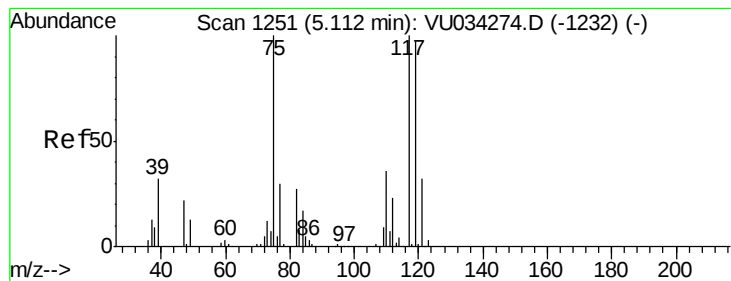
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.5	122.3
192	21.9	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 3.869 ug/l
 RT: 4.96 min Scan# 1203
 Delta R.T. -0.16 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.3	18.3	54.9#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 4.747 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

PB122980TB

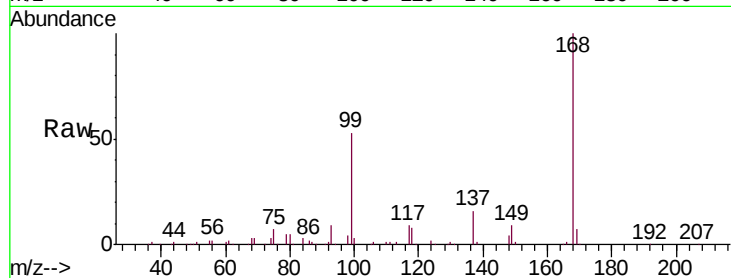
Tgt Ion:117 Resp: 21044

Ion Ratio Lower Upper

117 100

119 5.1 77.8 116.6#

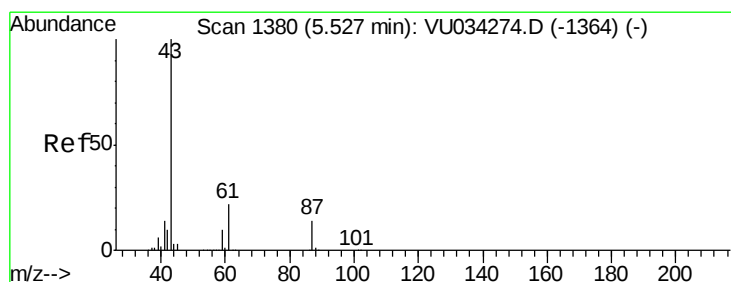
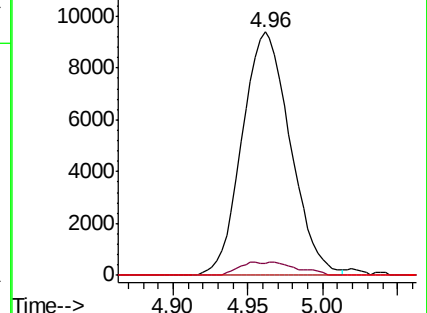
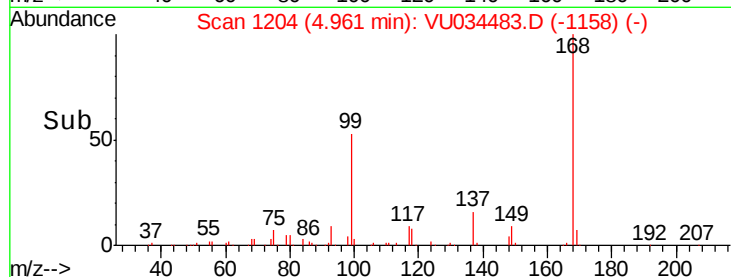
121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 12.243 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

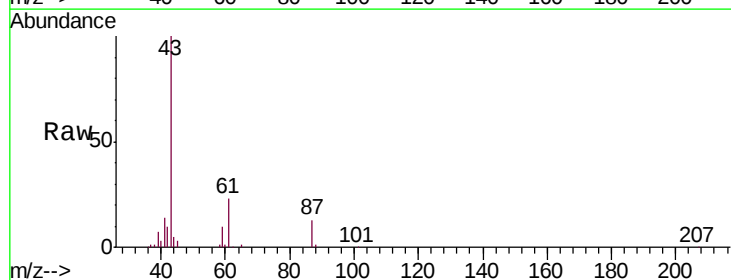
Tgt Ion: 43 Resp: 93754

Ion Ratio Lower Upper

43 100

61 21.6 17.1 25.7

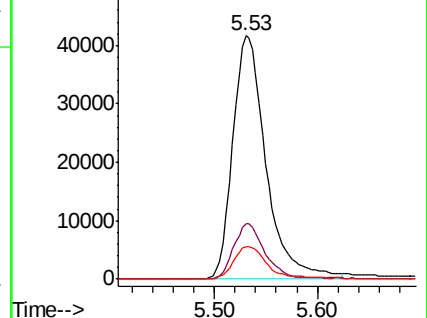
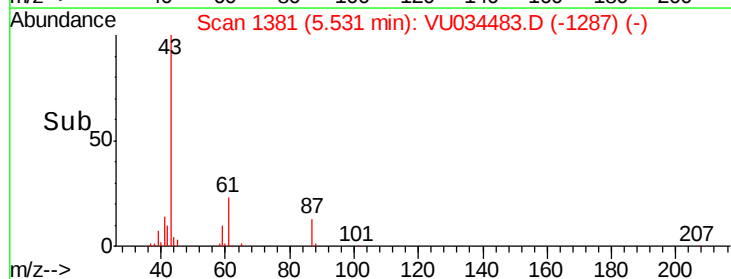
87 13.2 11.1 16.7

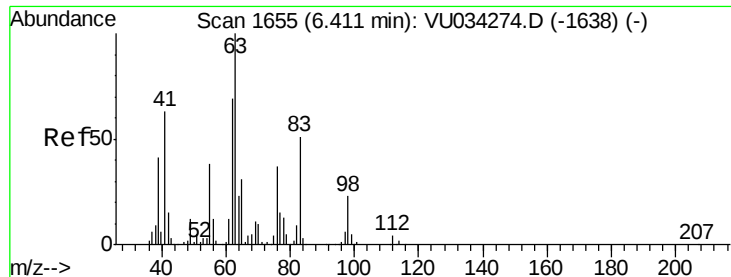


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#45

1,2-Dichloropropane

Concen: 0.551 ug/l

RT: 6.69 min Scan# 1741

Delta R.T. 0.28 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

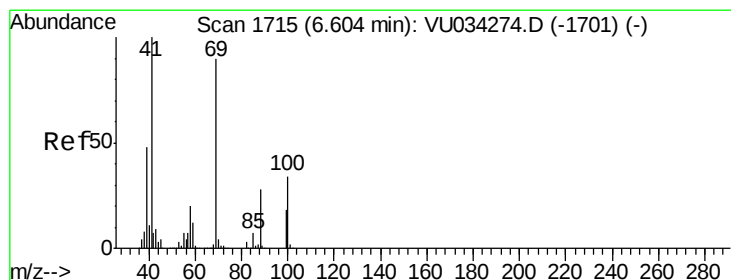
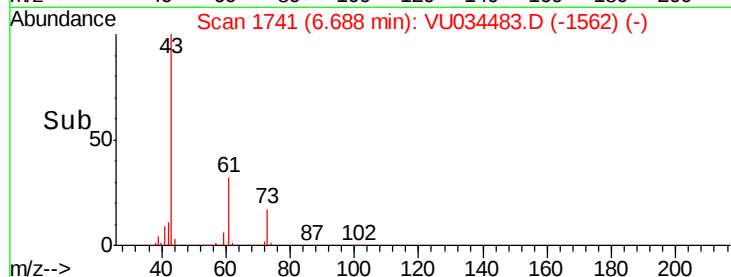
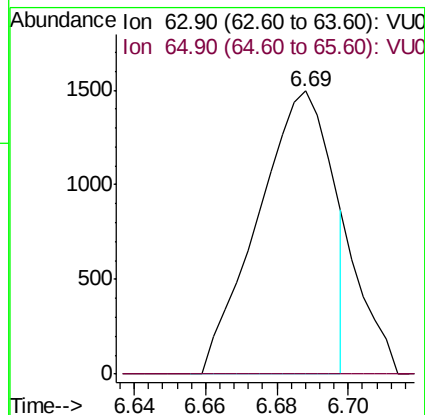
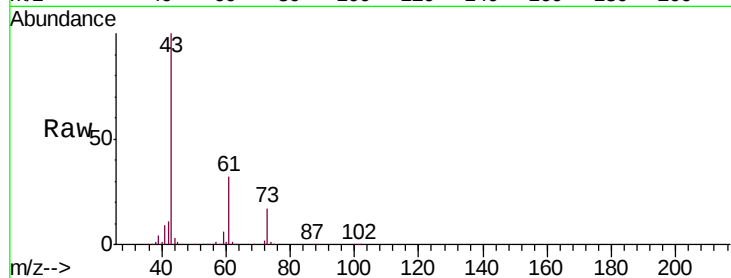
PB122980TB

Tgt Ion: 63 Resp: 2157

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 42.979 ug/l

RT: 6.68 min Scan# 1740

Delta R.T. 0.08 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

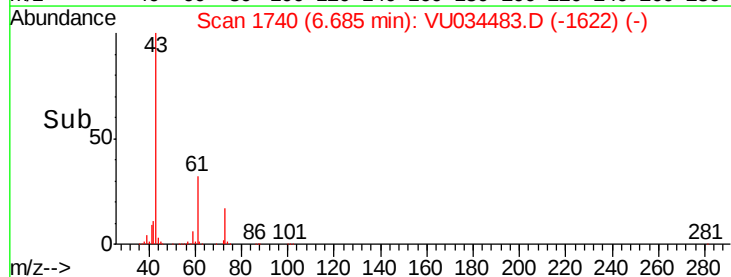
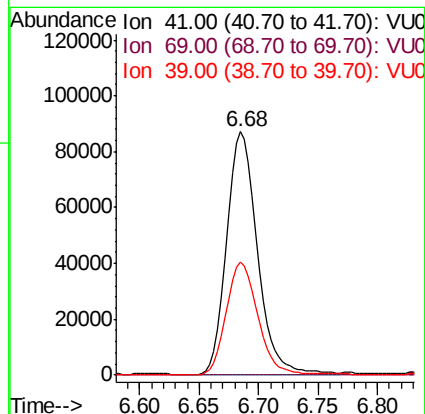
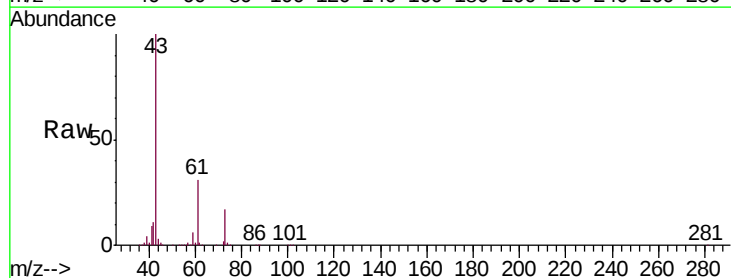
Tgt Ion: 41 Resp: 156324

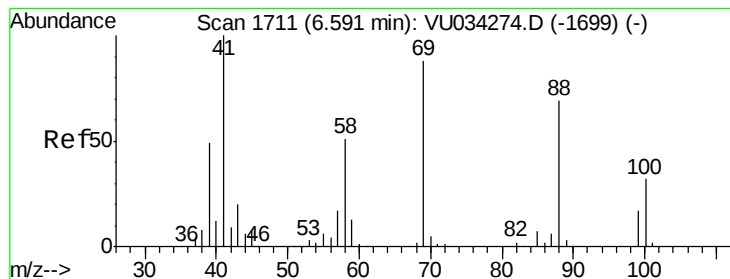
Ion Ratio Lower Upper

41 100

69 0.1 72.8 109.2#

39 47.6 38.6 58.0





#49

1,4-Dioxane

Concen: 2.103 ug/l

RT: 6.62 min Scan# 1720

Delta R.T. 0.03 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

PB122980TB

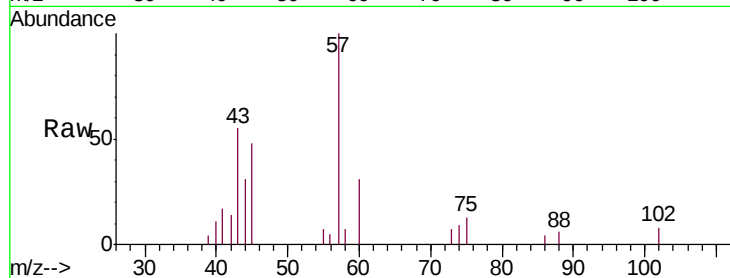
Tgt Ion: 88 Resp: 167

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.6#

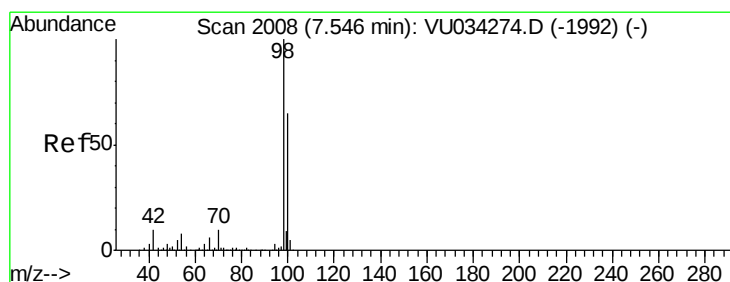
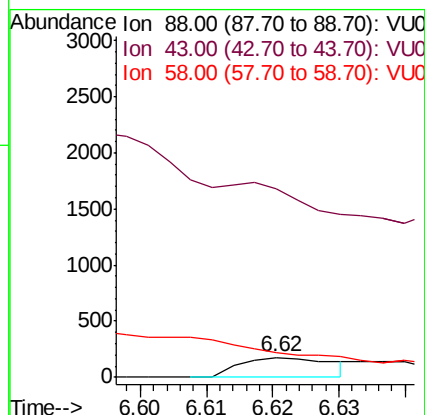
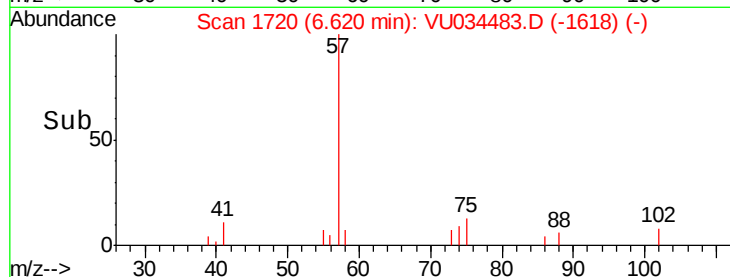
58 0.0 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VU034483.D (-1618) (-)

Ion 43.00 (42.70 to 43.70): VU034483.D (-1618) (-)

Ion 58.00 (57.70 to 58.70): VU034483.D (-1618) (-)



#50

Toluene-d8

Concen: 52.553 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034483.D

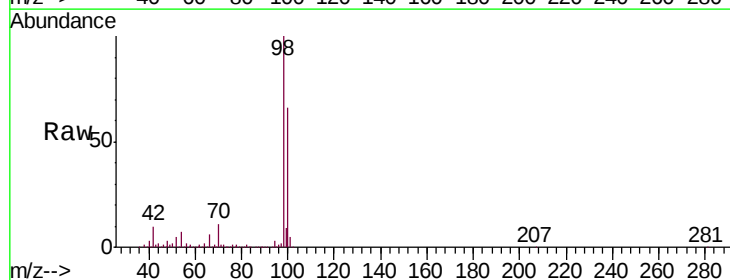
Acq: 11 Sep 2019 18:42

Tgt Ion: 98 Resp: 703359

Ion Ratio Lower Upper

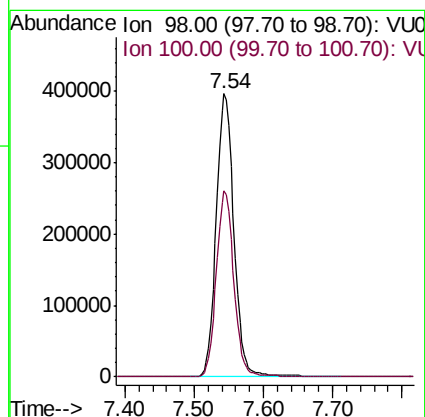
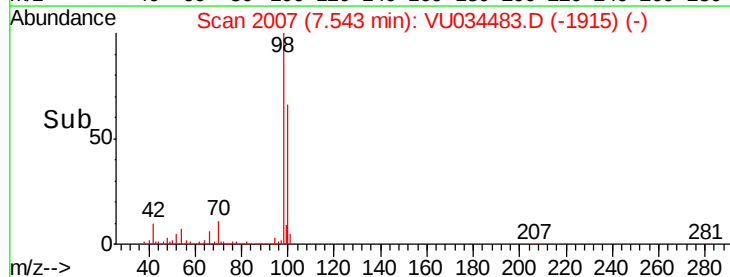
98 100

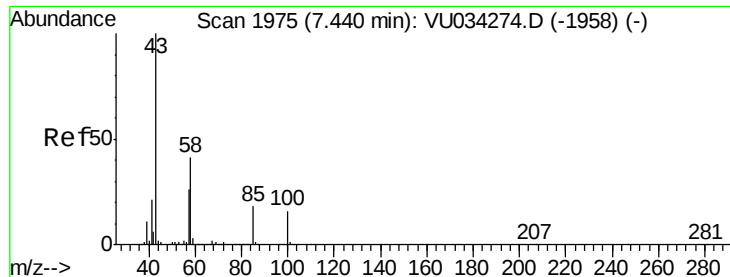
100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034483.D (-1915) (-)

Ion 100.00 (99.70 to 100.70): VU034483.D (-1915) (-)

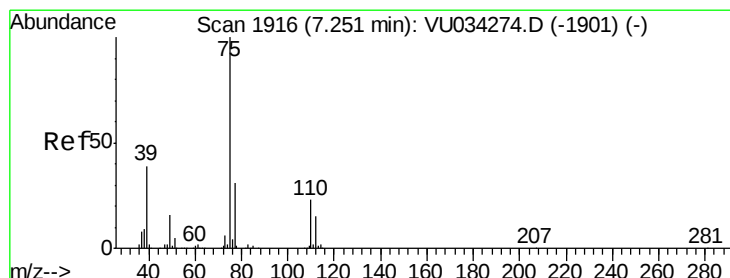
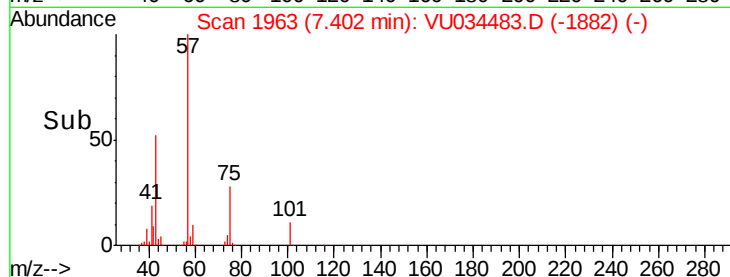
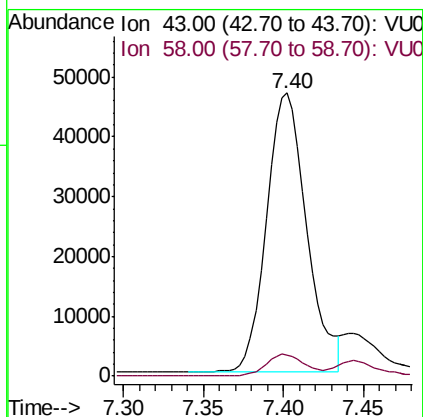
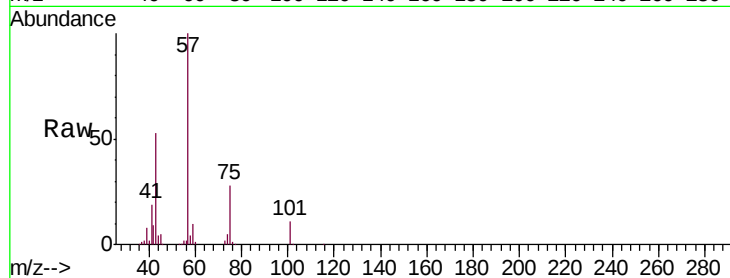




#51
 4-Methyl-2-Pentanone
 Concen: 15.292 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. -0.04 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

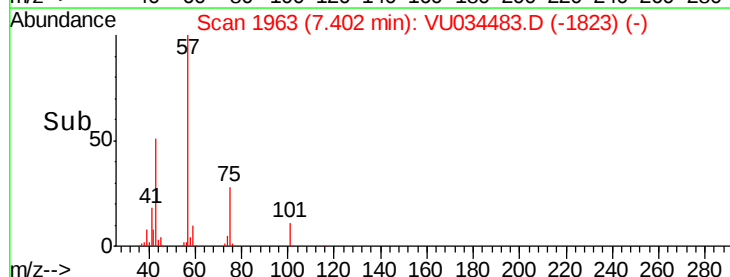
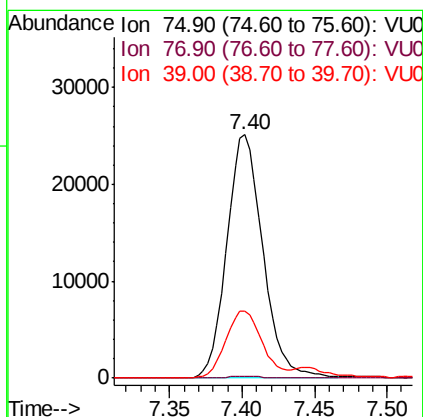
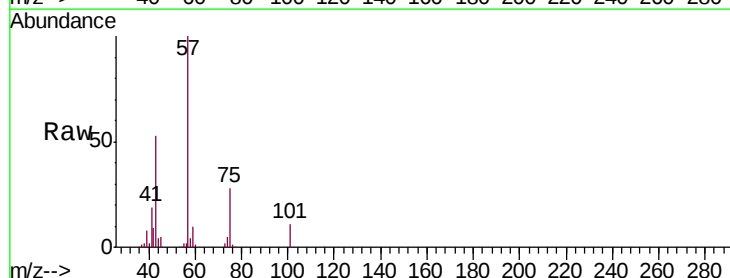
Instrument :
 MSVOA_U
 ClientSampleId :
 PB122980TB

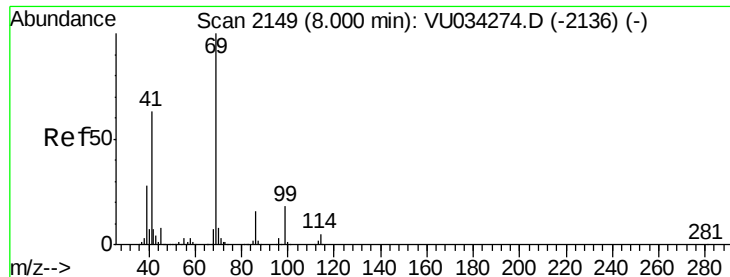
Tgt Ion: 43 Resp: 81058
 Ion Ratio Lower Upper
 43 100
 58 7.6 33.0 49.4#



#54
 cis-1,3-Dichloropropene
 Concen: 7.534 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

Tgt Ion: 75 Resp: 43378
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.1 37.7#
 39 27.7 31.2 46.8#





#56

Ethyl methacrylate

Concen: 3.171 ug/l

RT: 8.02 min Scan# 2154

Delta R.T. 0.02 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

PB122980TB

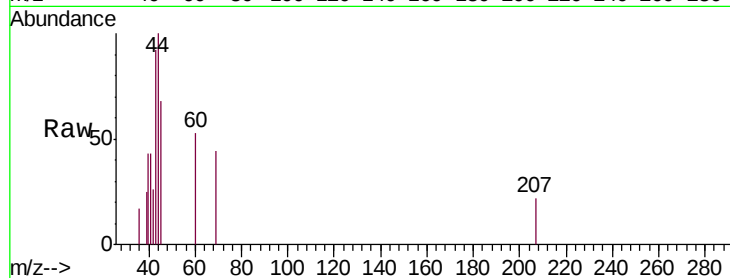
Tgt Ion: 69 Resp: 586

Ion Ratio Lower Upper

69 100

41 0.0 49.5 74.3#

39 0.0 22.5 33.7#



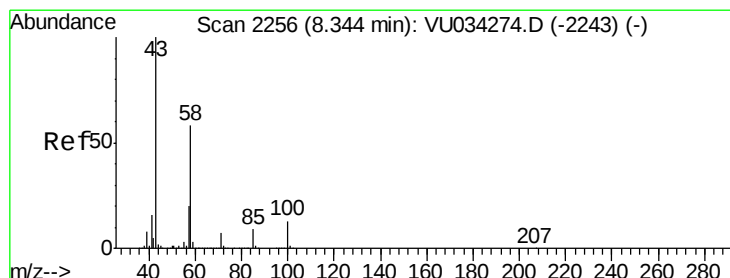
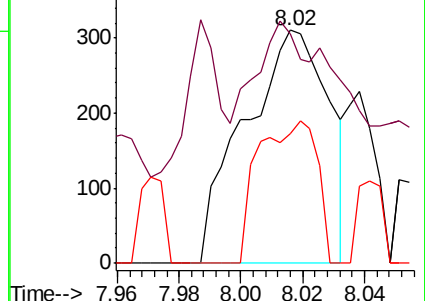
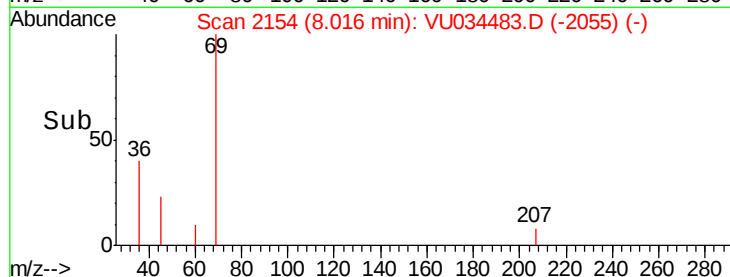
Abundance Ion 69.00 (68.70 to 69.70): VU034483.D (-2154) (-)

Ion 41.00 (40.70 to 41.70): VU034483.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VU034483.D (-2154) (-)

8.02

Time-->



#59

2-Hexanone

Concen: 27.511 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.05 min

Lab File: VU034483.D

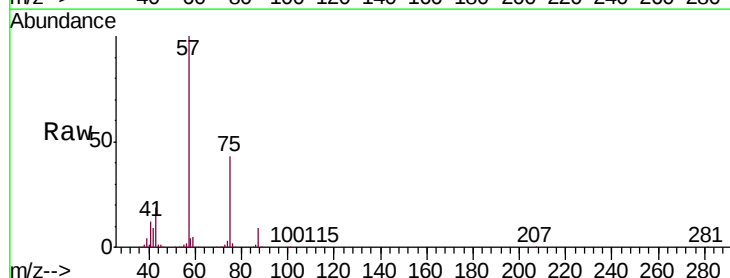
Acq: 11 Sep 2019 18:42

Tgt Ion: 43 Resp: 108943

Ion Ratio Lower Upper

43 100

58 23.6 28.8 86.5#

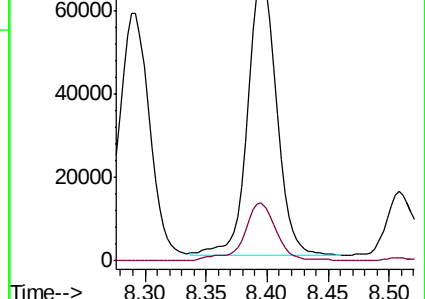
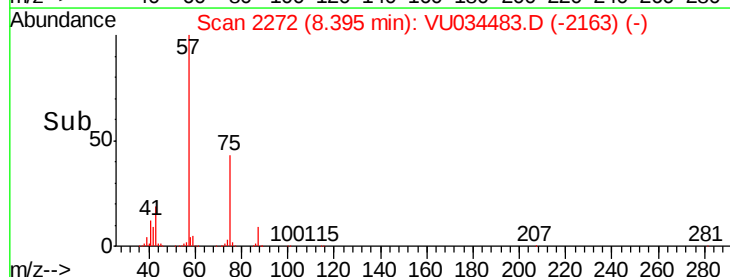


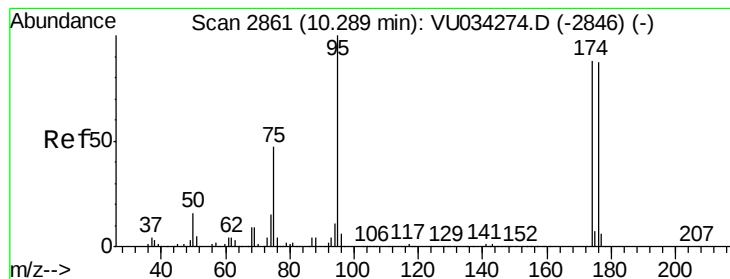
Abundance Ion 43.00 (42.70 to 43.70): VU034483.D (-2272) (-)

Ion 58.00 (57.70 to 58.70): VU034483.D (-2272) (-)

8.40

Time-->





#62

4-Bromofluorobenzene

Concen: 45.094 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

PB122980TB

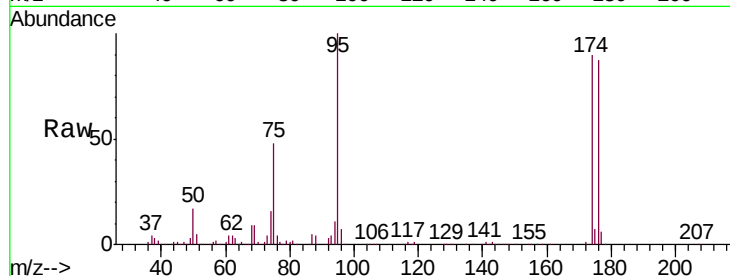
Tgt Ion: 95 Resp: 233020

Ion Ratio Lower Upper

95 100

174 90.8 0.0 175.2

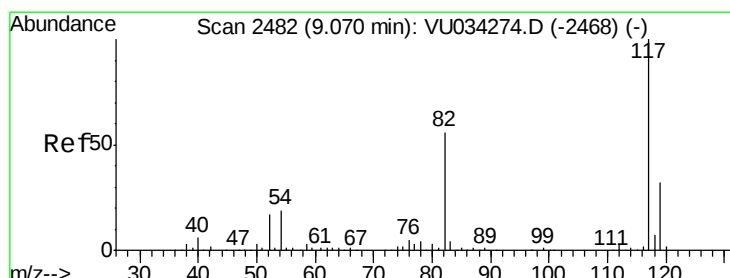
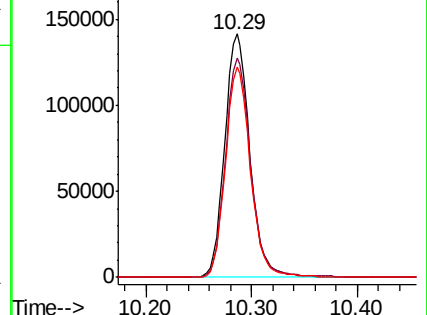
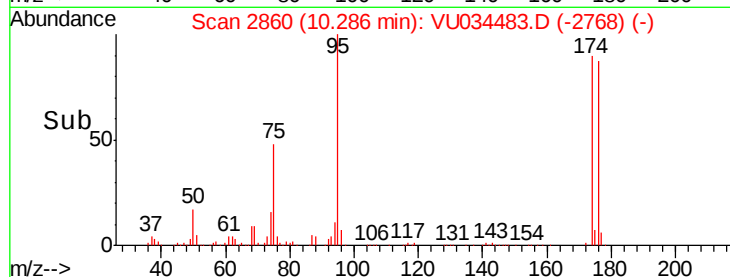
176 86.1 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU034483.D (-2768) (-)

Ion 173.80 (173.50 to 174.50): VU034483.D (-2768) (-)

Ion 175.80 (175.50 to 176.50): VU034483.D (-2768) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2481

Delta R.T. -0.00 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

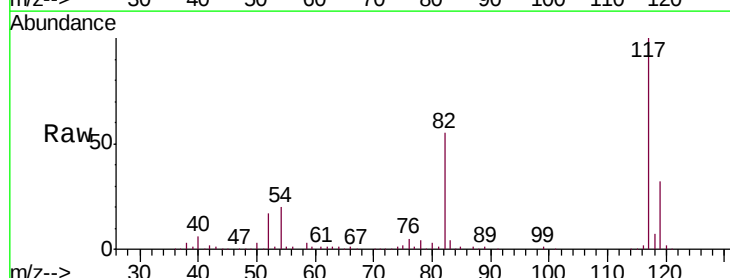
Tgt Ion: 117 Resp: 387215

Ion Ratio Lower Upper

117 100

82 55.0 44.6 67.0

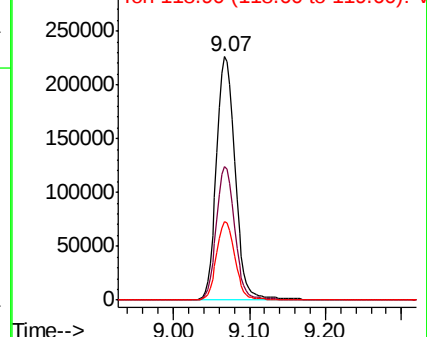
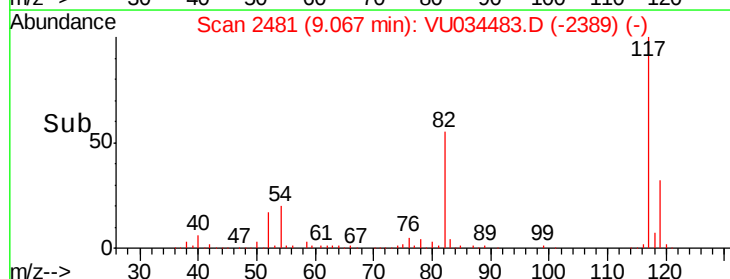
119 32.0 25.9 38.9

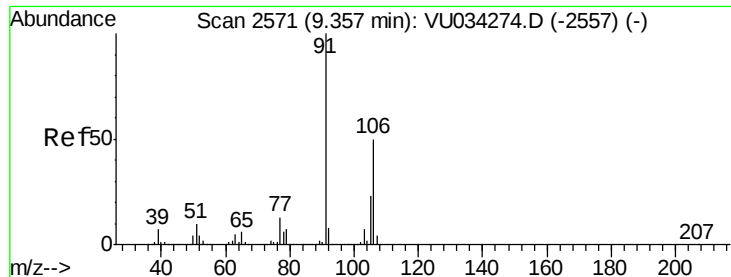


Abundance Ion 116.90 (116.60 to 117.60): VU034483.D (-2389) (-)

Ion 82.00 (81.70 to 82.70): VU034483.D (-2389) (-)

Ion 118.90 (118.60 to 119.60): VU034483.D (-2389) (-)





#68

m/p-Xylenes

Concen: 0.303 ug/l

RT: 9.37 min Scan# 2574

Delta R.T. 0.01 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

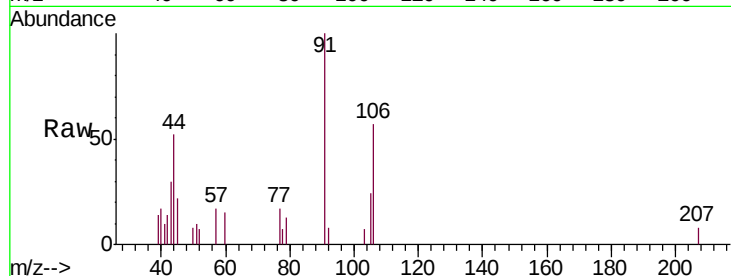
PB122980TB

Tgt Ion:106 Resp: 1835

Ion Ratio Lower Upper

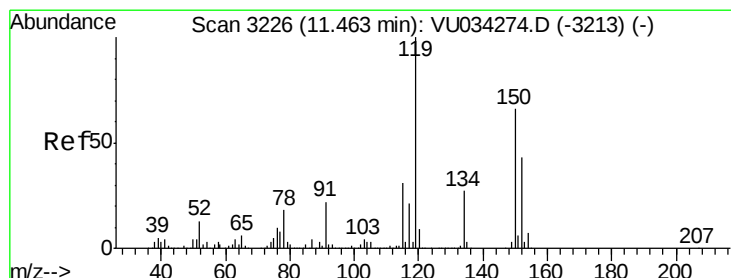
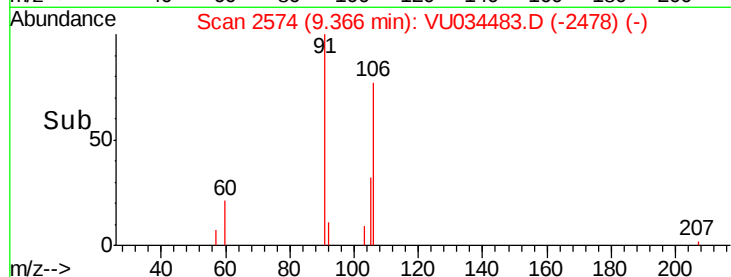
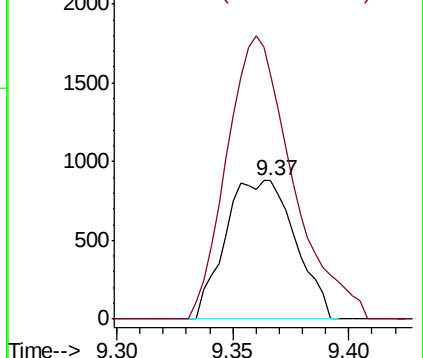
106 100

91 193.2 160.1 240.1



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: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

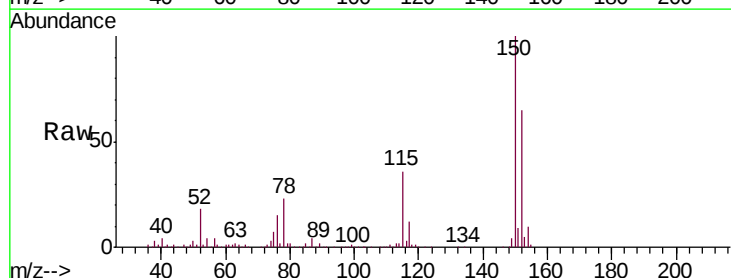
Tgt Ion:152 Resp: 211541

Ion Ratio Lower Upper

152 100

115 55.5 39.1 117.3

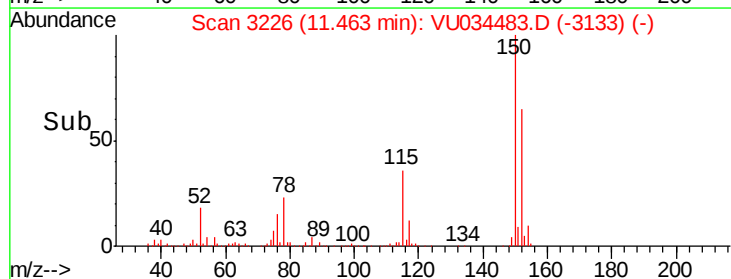
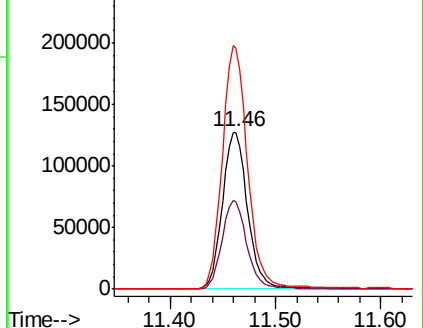
150 156.2 0.0 345.4

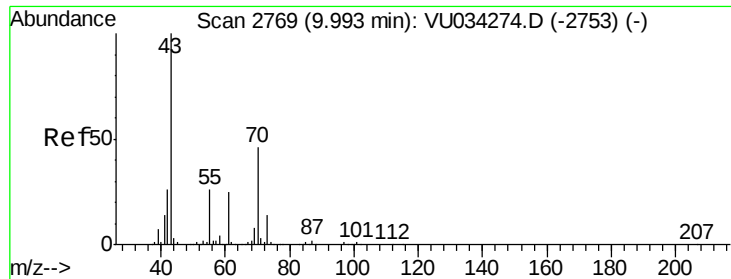


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

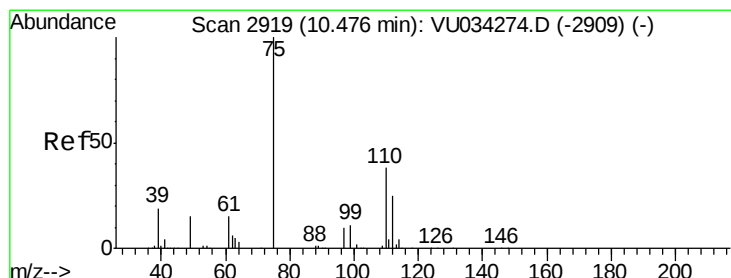
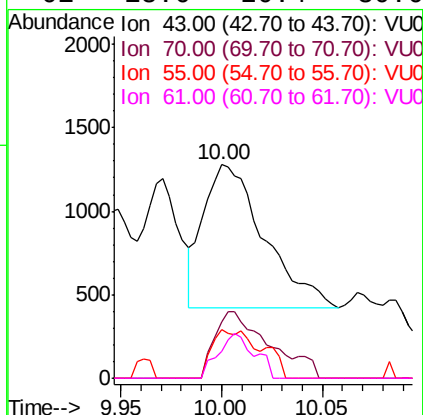
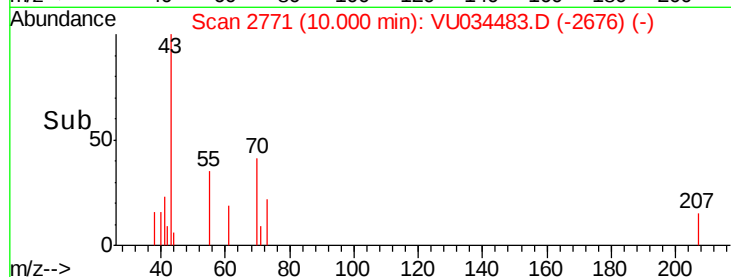
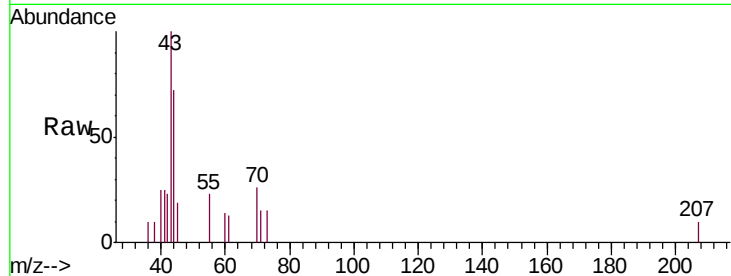




#74
N-ethyl acetate
Concen: 0.321 ug/l
RT: 10.00 min Scan# 2771
Delta R.T. 0.01 min
Lab File: VU034483.D
Acq: 11 Sep 2019 18:42

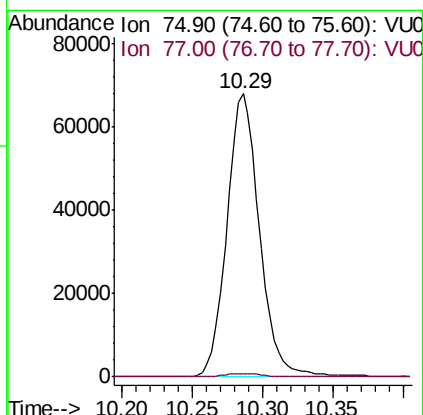
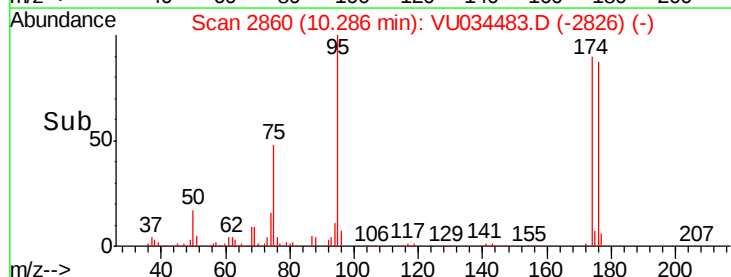
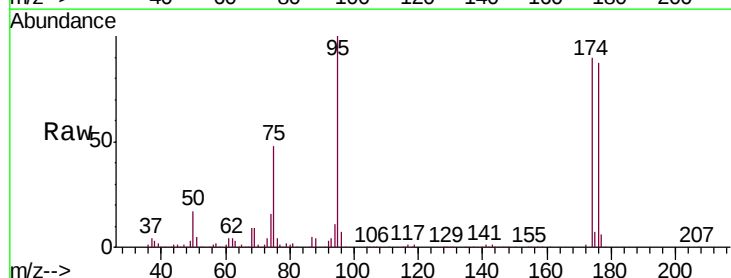
Instrument :
MSVOA_U
ClientSampleId :
PB122980TB

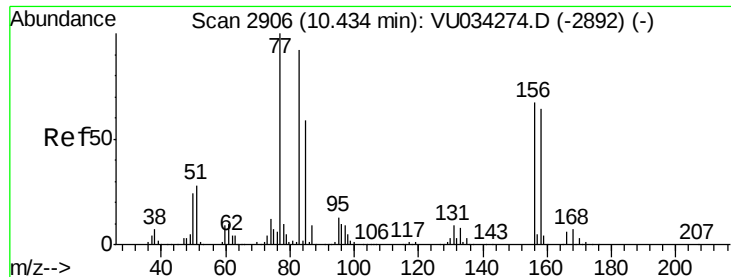
Tgt Ion:	43	Resp:	1779
Ion	Ratio	Lower	Upper
43	100		
70	38.3	36.4	54.6
55	22.3	21.2	31.8
61	18.6	20.4	30.6



#76
1,2,3-Trichloropropane
Concen: 23.746 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.19 min
Lab File: VU034483.D
Acq: 11 Sep 2019 18:42

Tgt Ion:	75	Resp:	109648
Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.8	62.2





#77

Bromobenzene

Concen: 0.281 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

PB122980TB

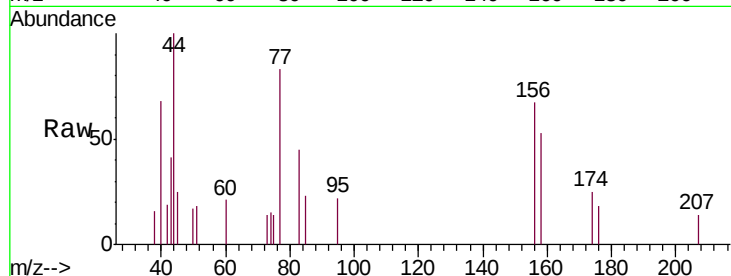
Tgt Ion:156 Resp: 1080

Ion Ratio Lower Upper

156 100

77 137.1 75.6 226.9

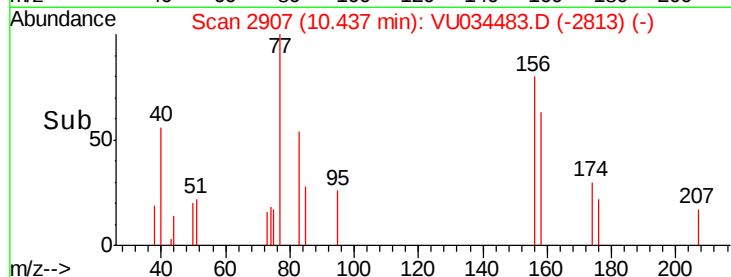
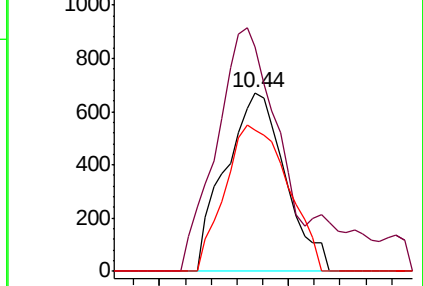
158 86.1 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.273 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034483.D

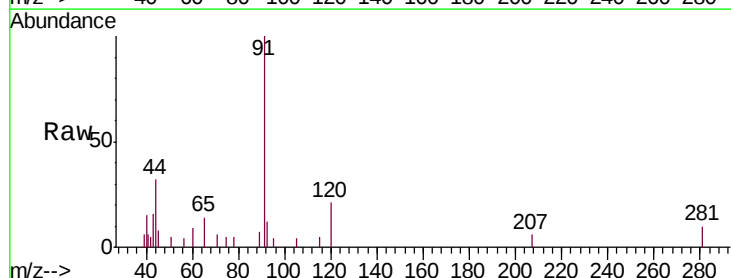
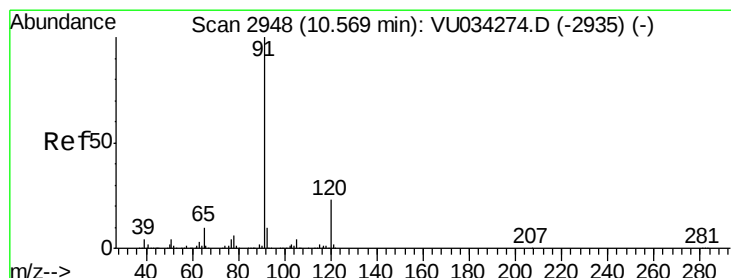
Acq: 11 Sep 2019 18:42

Tgt Ion: 91 Resp: 4334

Ion Ratio Lower Upper

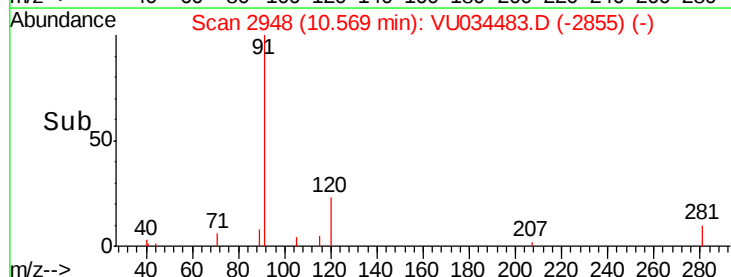
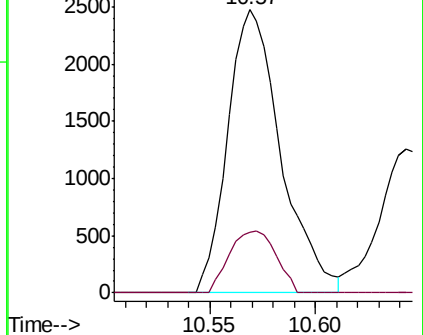
91 100

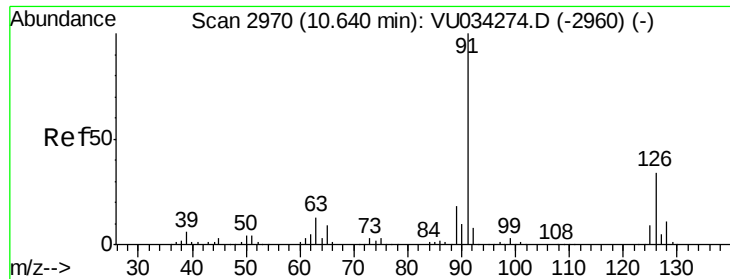
120 19.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

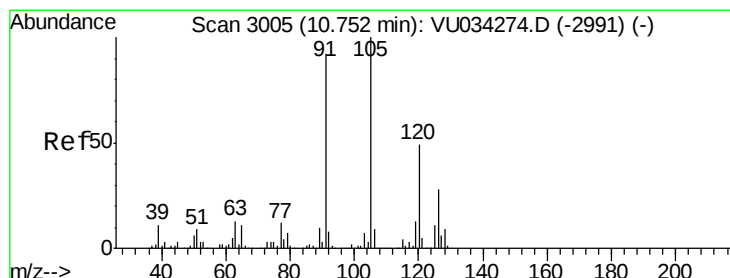
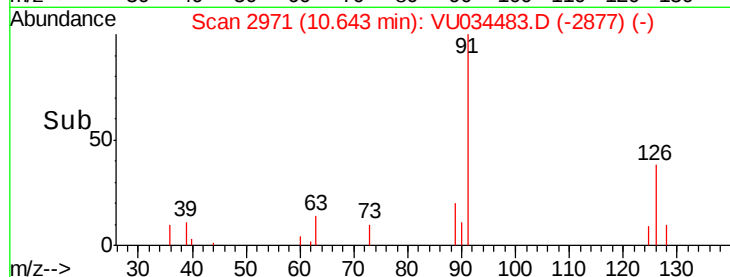
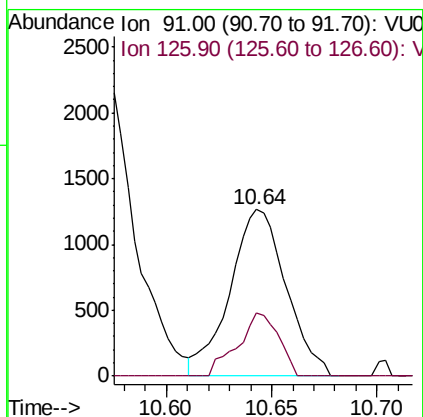
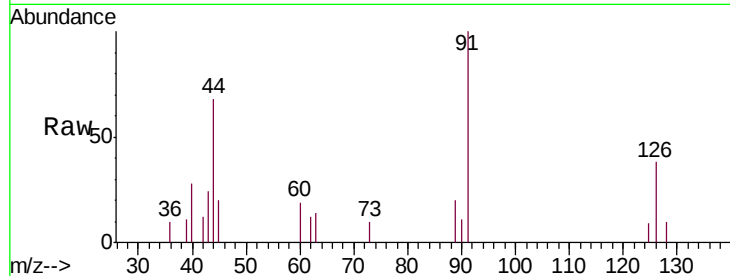




#79
 2-Chlorotoluene
 Concen: 0.241 ug/l
 RT: 10.64 min Scan# 2971
 Delta R.T. 0.00 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

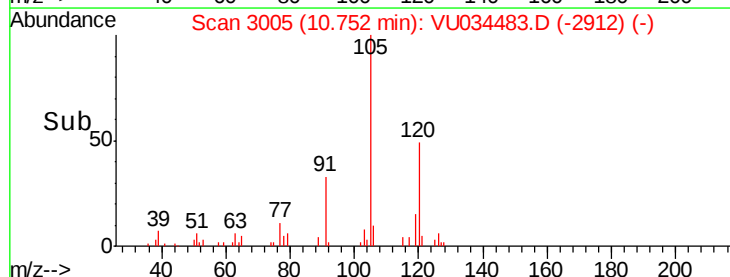
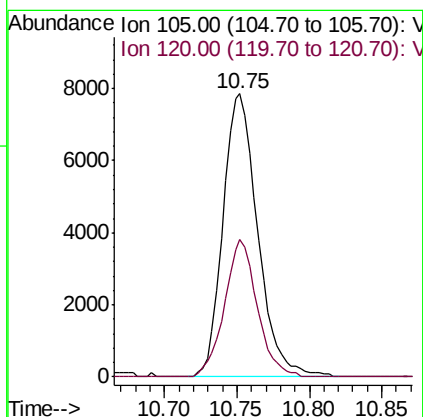
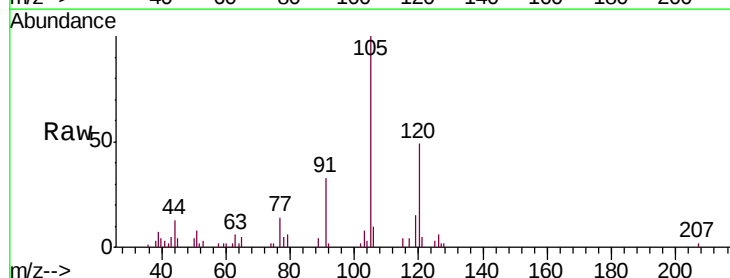
Instrument :
 MSVOA_U
 ClientSampleId :
 PB122980TB

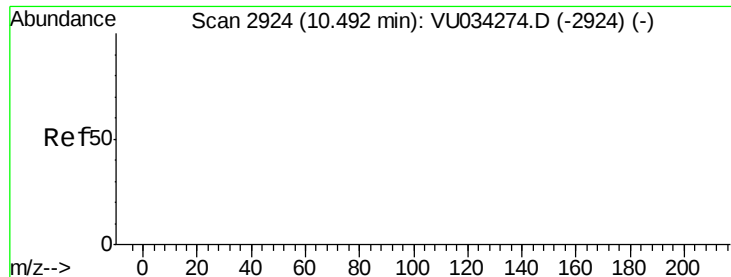
Tgt Ion: 91 Resp: 2342
 Ion Ratio Lower Upper
 91 100
 126 27.5 17.3 51.9



#80
 1,3,5-Trimethylbenzene
 Concen: 1.134 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. 0.00 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

Tgt Ion: 105 Resp: 13056
 Ion Ratio Lower Upper
 105 100
 120 45.5 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 79.856 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

PB122980TB

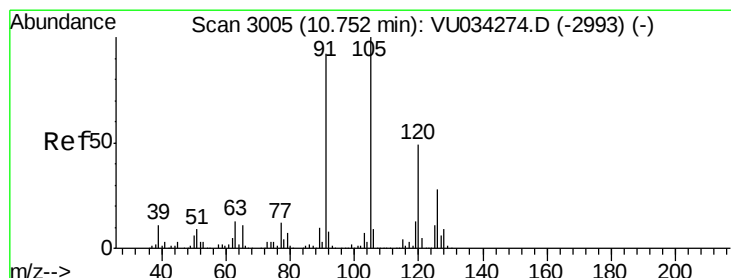
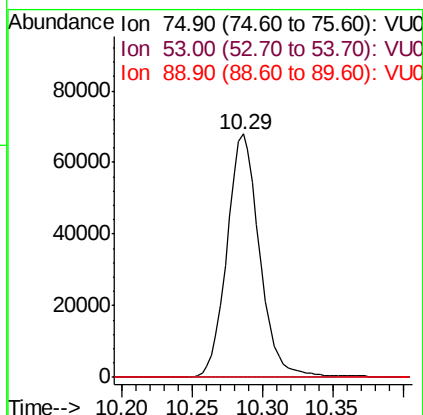
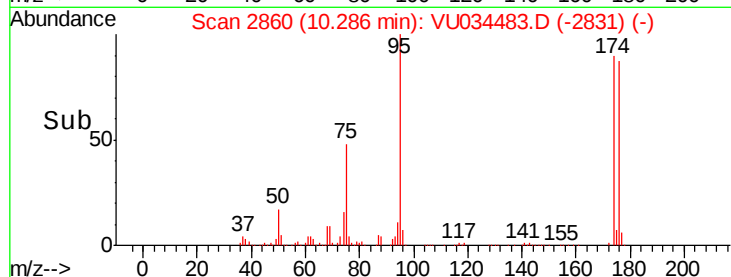
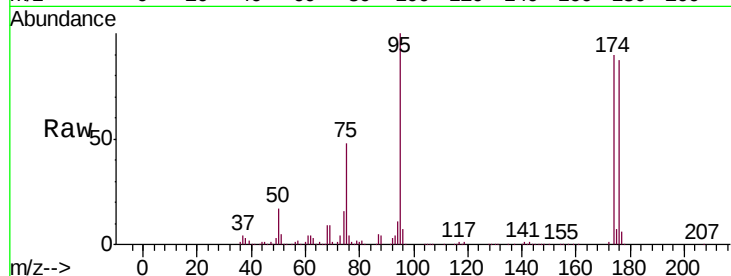
Tgt Ion: 75 Resp: 109648

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 0.428 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034483.D

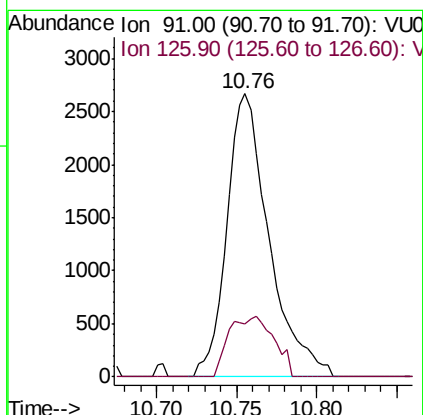
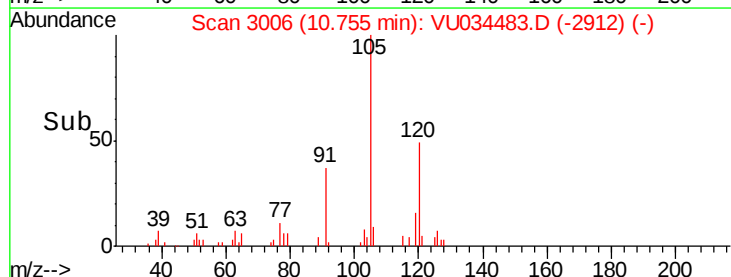
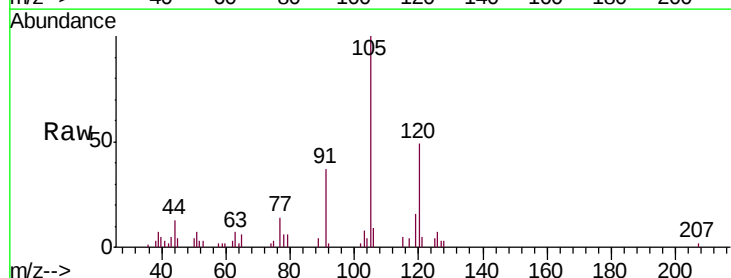
Acq: 11 Sep 2019 18:42

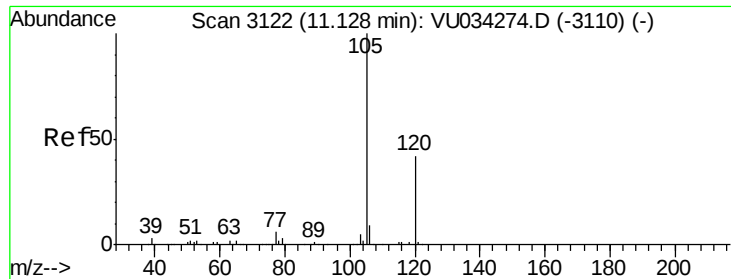
Tgt Ion: 91 Resp: 4782

Ion Ratio Lower Upper

91 100

126 22.9 15.3 45.8

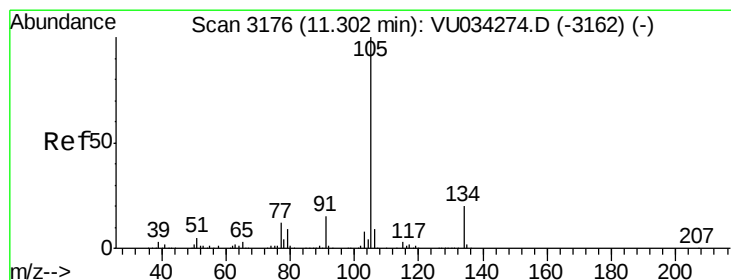
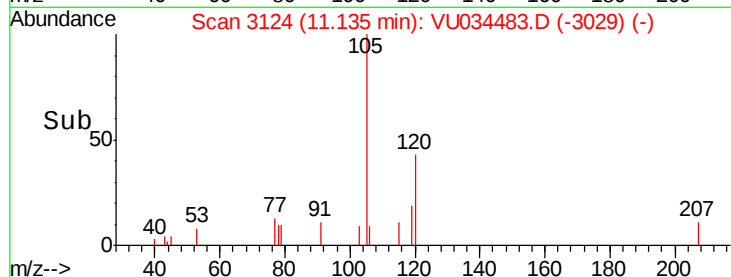
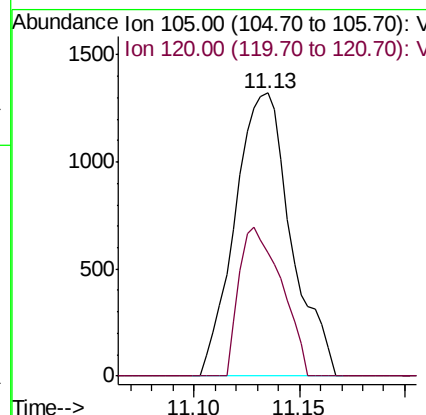
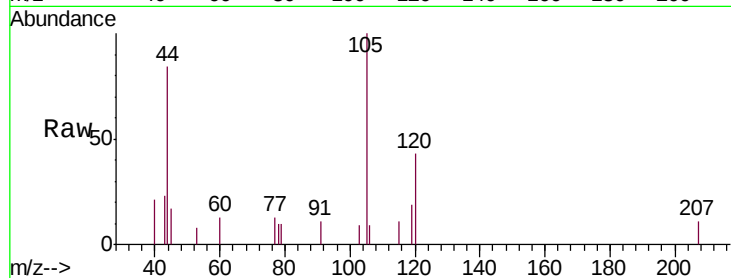




#84
 1,2,4-Trimethylbenzene
 Concen: 0.210 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.01 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

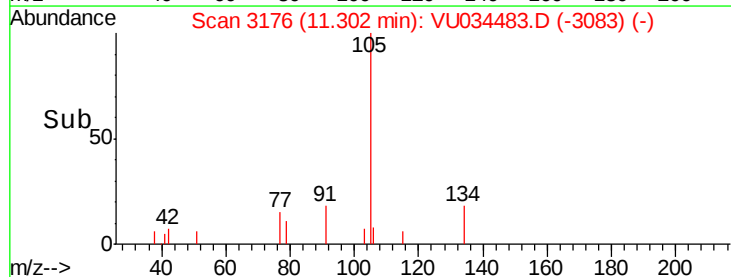
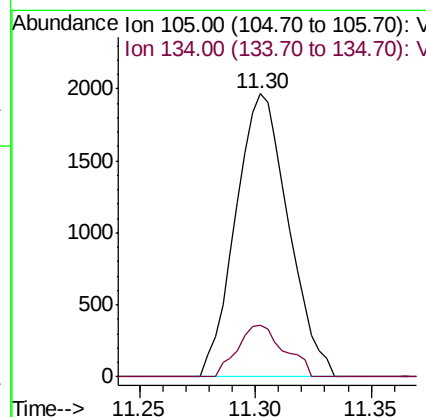
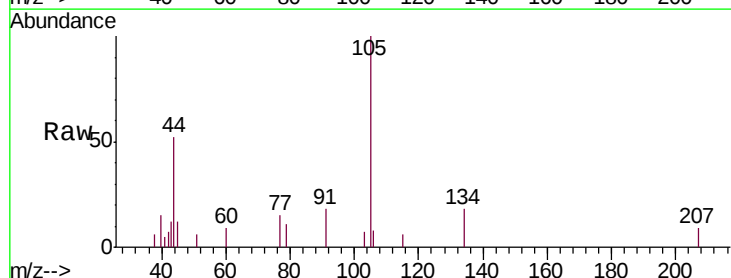
Instrument :
 MSVOA_U
 ClientSampleId :
 PB122980TB

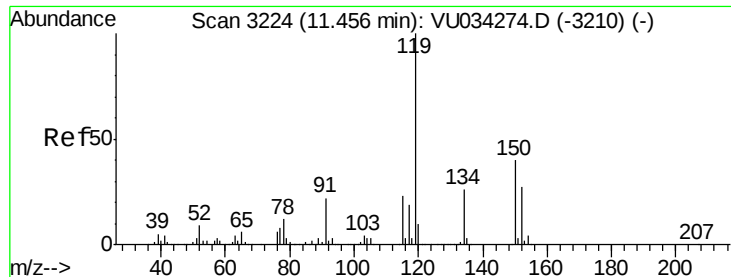
Tgt Ion:105 Resp: 2439
 Ion Ratio Lower Upper
 105 100
 120 40.0 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 0.228 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

Tgt Ion:105 Resp: 3107
 Ion Ratio Lower Upper
 105 100
 134 16.1 10.1 30.3

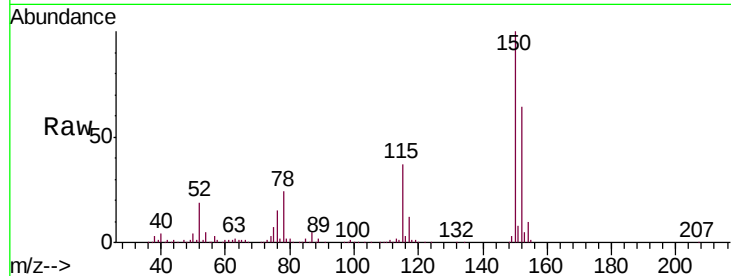




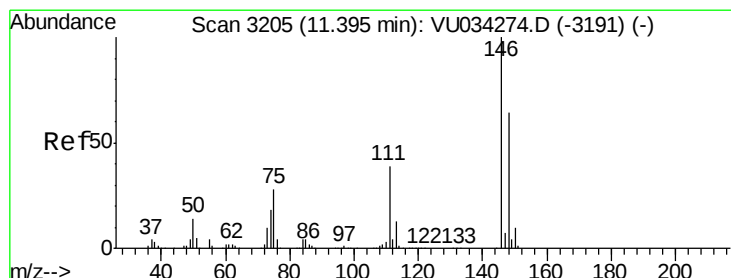
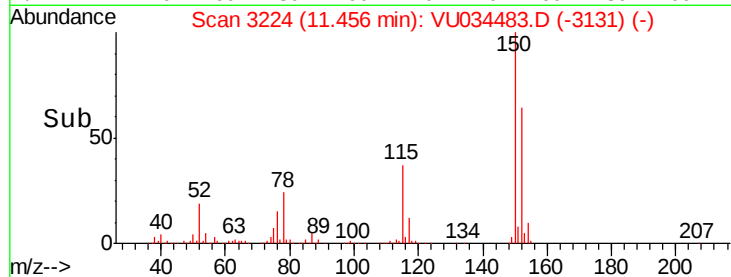
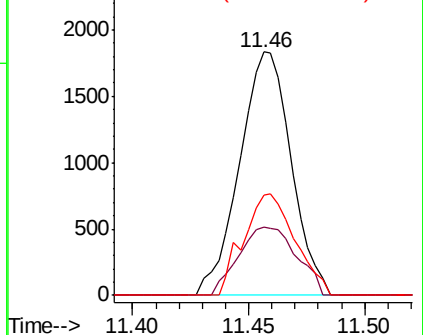
#86
 p-Isopropyltoluene
 Concen: 0.226 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 PB122980TB

Tgt Ion:119 Resp: 2836
 Ion Ratio Lower Upper
 119 100
 134 31.6 13.3 39.8
 91 41.7 11.2 33.6#

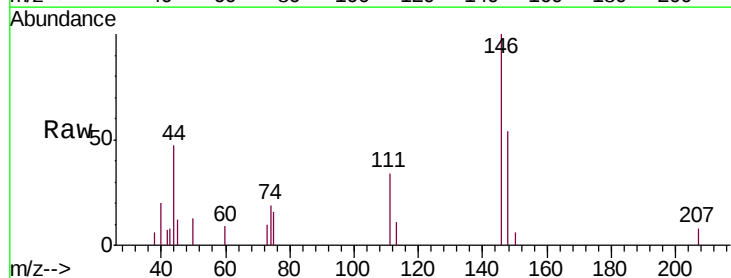


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

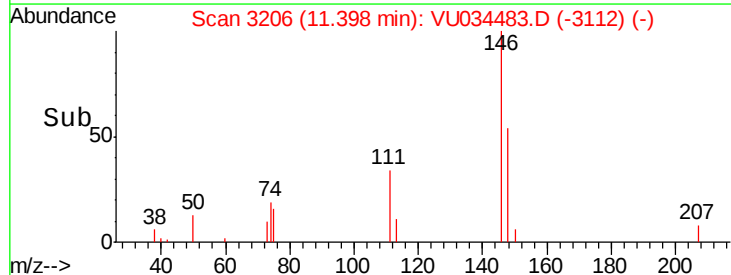
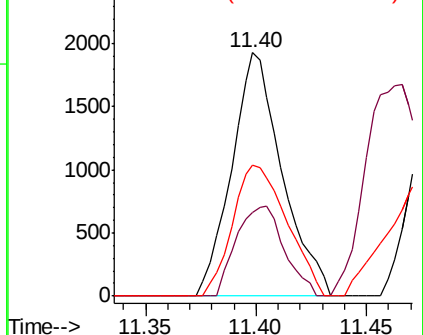


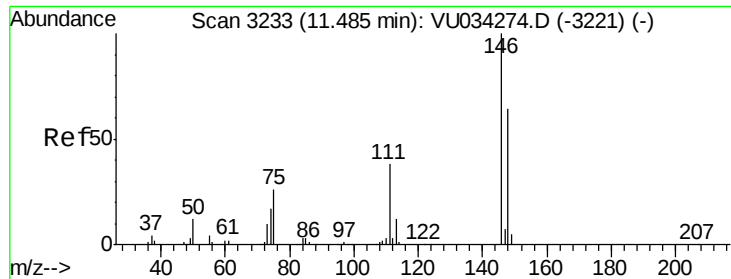
#87
 1,3-Dichlorobenzene
 Concen: 0.435 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

Tgt Ion:146 Resp: 3058
 Ion Ratio Lower Upper
 146 100
 111 35.0 19.5 58.5
 148 57.9 32.1 96.3



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

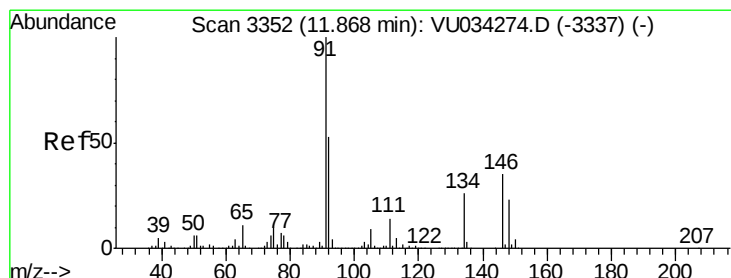
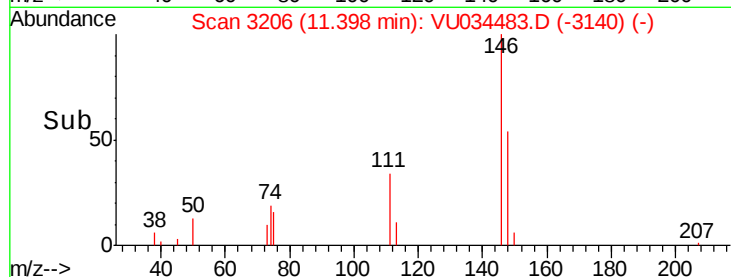
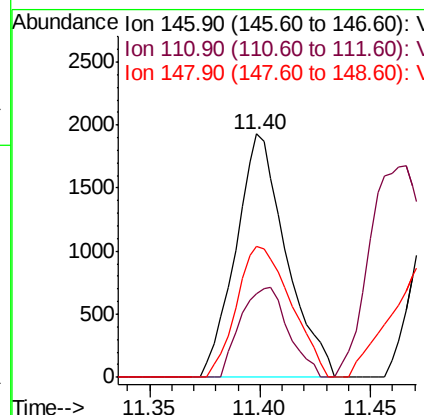
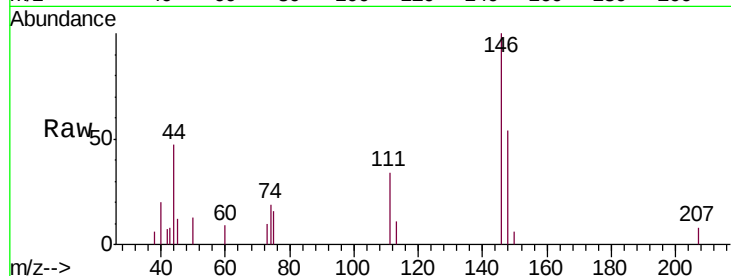




#88
 1,4-Dichlorobenzene
 Concen: 0.417 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.09 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

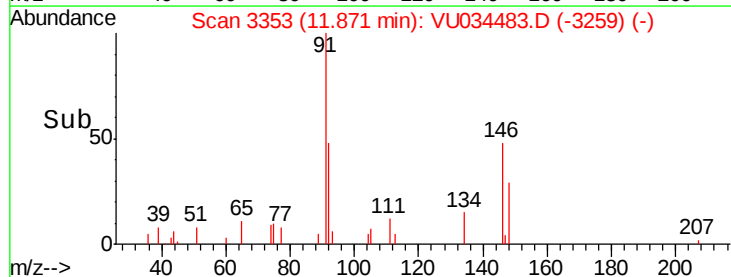
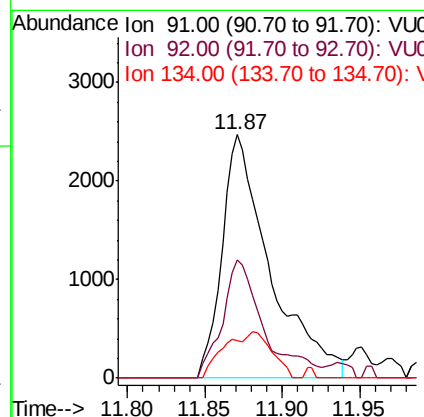
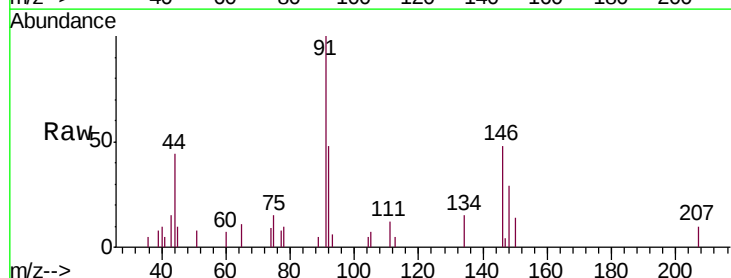
Instrument :
 MSVOA_U
 ClientSampleId :
 PB122980TB

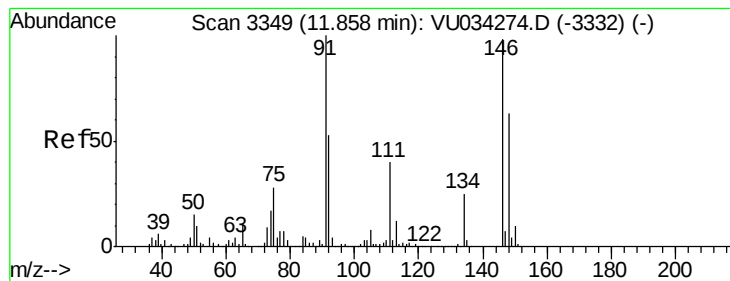
Tgt Ion: 146 Resp: 3058
 Ion Ratio Lower Upper
 146 100
 111 35.0 19.1 57.3
 148 57.9 32.0 96.0



#89
 n-Butylbenzene
 Concen: 0.488 ug/l
 RT: 11.87 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

Tgt Ion: 91 Resp: 5327
 Ion Ratio Lower Upper
 91 100
 92 41.8 26.5 79.4
 134 18.9 13.2 39.6





#91

1,2-Dichlorobenzene

Concen: 0.360 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

PB122980TB

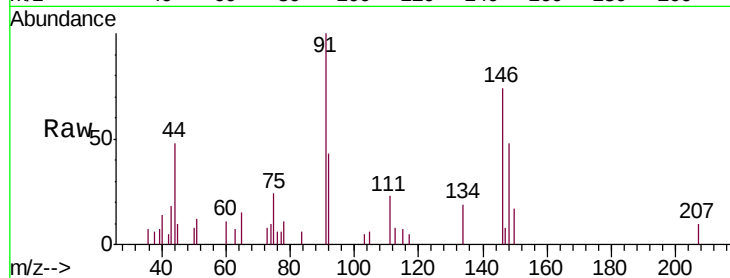
Tgt Ion:146 Resp: 2483

Ion Ratio Lower Upper

146 100

111 35.8 20.0 60.0

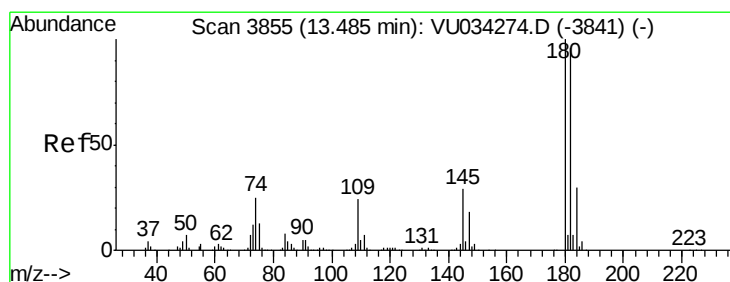
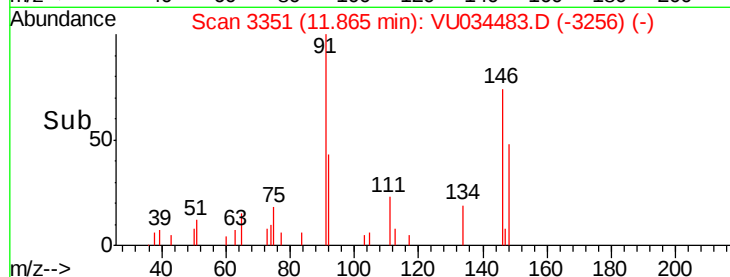
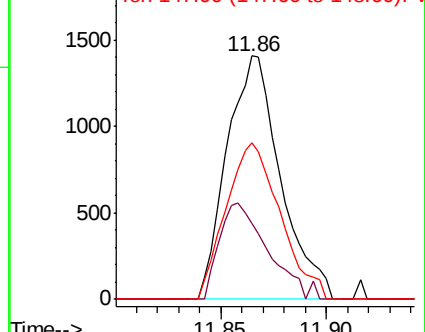
148 65.0 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 4.022 ug/l

RT: 13.49 min Scan# 3858

Delta R.T. 0.01 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

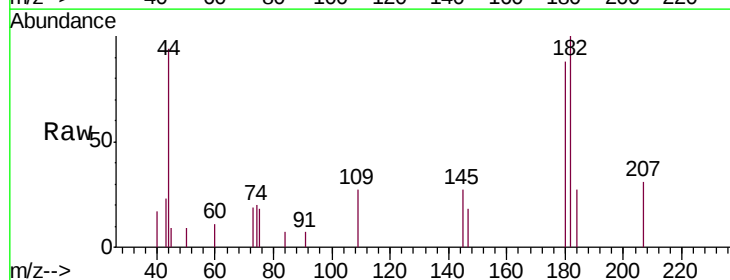
Tgt Ion:180 Resp: 3067

Ion Ratio Lower Upper

180 100

182 99.3 47.9 143.8

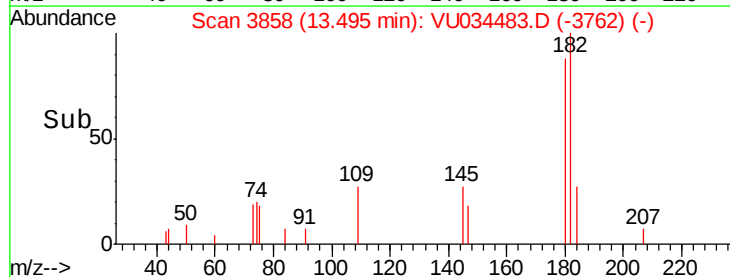
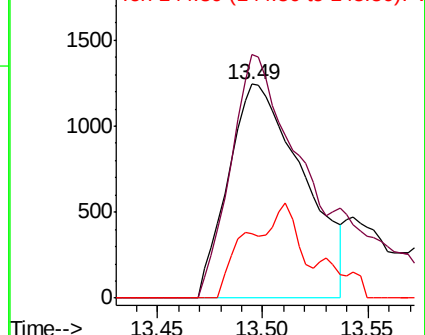
145 11.7 14.4 43.0#

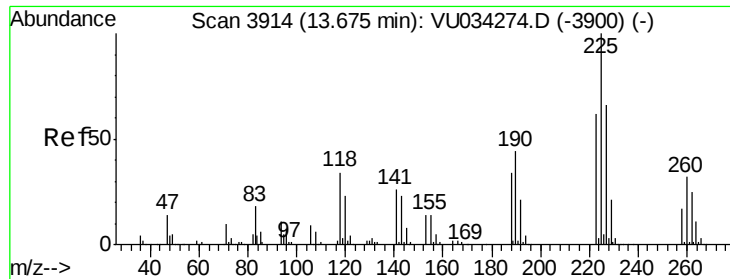


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.950 ug/l

RT: 13.67 min Scan# 3912

Delta R.T. -0.01 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

PB122980TB

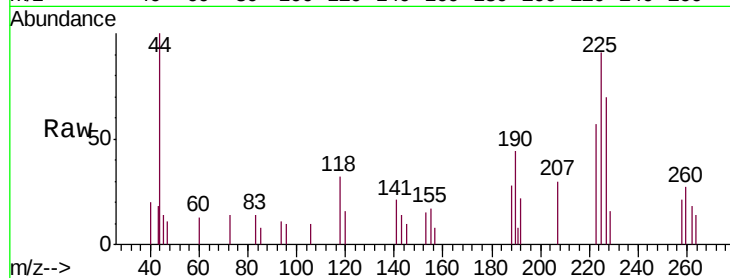
Tgt Ion:225 Resp: 2293

Ion Ratio Lower Upper

225 100

223 51.3 31.6 94.7

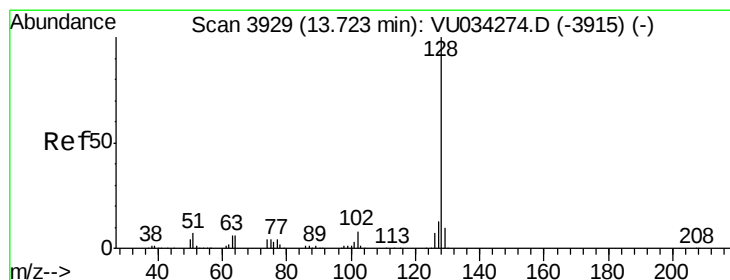
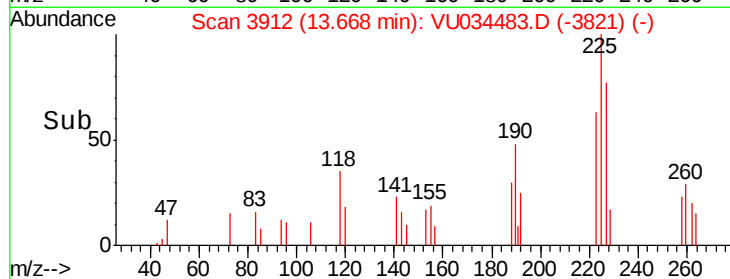
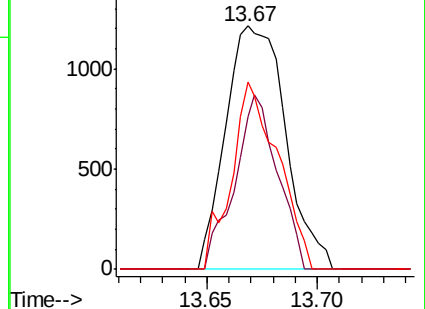
227 59.8 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.938 ug/l

RT: 13.73 min Scan# 3932

Delta R.T. 0.01 min

Lab File: VU034483.D

Acq: 11 Sep 2019 18:42

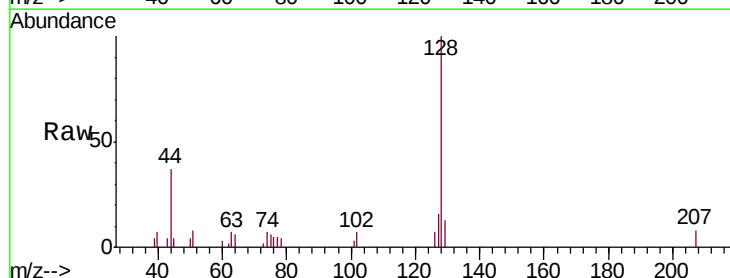
Tgt Ion:128 Resp: 14886

Ion Ratio Lower Upper

128 100

127 11.1 10.6 15.8

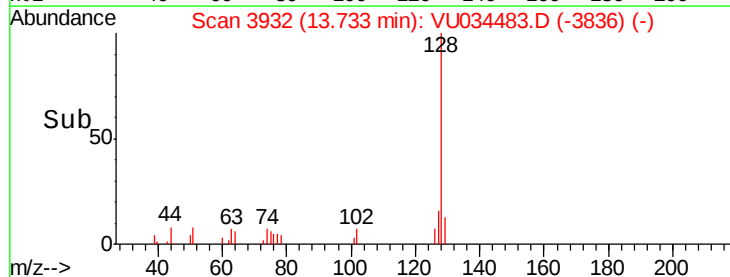
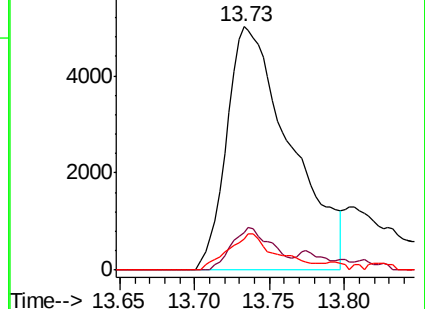
129 11.5 8.4 12.6

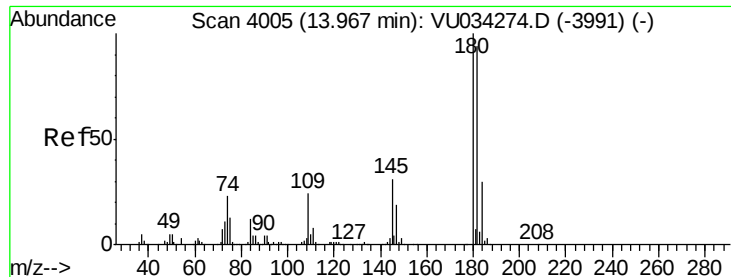


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

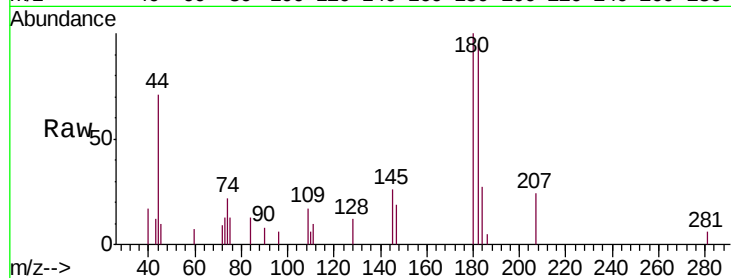




#96
 1,2,3-Trichlorobenzene
 Concen: 3.573 ug/l
 RT: 13.98 min Scan# 4009
 Delta R.T. 0.01 min
 Lab File: VU034483.D
 Acq: 11 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 PB122980TB

Tgt Ion:180 Resp: 4770
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.4 145.0
 145 12.8 15.4 46.4#



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

