

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
 Data File : VU034354.D
 Acq On : 07 Sep 2019 01:04
 Operator : JC/SP
 Sample : K4725-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-ER-2019-1

Quant Time: Sep 07 04:14:47 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	295160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	429627	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	428661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	254737	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	226147	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
35) Dibromofluoromethane	4.86	113	206246	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
50) Toluene-d8	7.55	98	760504	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	10.29	95	276090	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	782	Below Cal		98
6) Chloroethane	1.70	64	228	Below Cal	#	43
10) Methyl Iodide	2.40	142	991	4.139	ug/l #	81
11) Tert butyl alcohol	2.81	59	2530	2.682	ug/l #	73
13) Acrolein	2.20	56	211	0.266	ug/l #	26
16) Acetone	2.31	43	6011	2.601	ug/l	96
17) Carbon Disulfide	2.47	76	2537	0.352	ug/l #	81
20) Methylene Chloride	2.69	84	18831	4.612	ug/l	97
25) 2-Butanone	4.28	43	6461	2.094	ug/l	99
29) Tetrahydrofuran	4.62	42	236636	126.057	ug/l	99
31) Cyclohexane	4.96	56	4908	0.938	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	19495	4.184	ug/l #	48
37) Ethyl Acetate	4.28	43	6461	1.173	ug/l #	66
38) Carbon Tetrachloride	4.96	117	26603	5.347	ug/l #	16
41) Methacrylonitrile	4.62	41	128923	43.936	ug/l #	40
49) 1,4-Dioxane	6.60	88	70	0.785	ug/l #	22
51) 4-Methyl-2-Pentanone	7.45	43	3779	0.635	ug/l #	57
56) Ethyl methacrylate	8.03	69	227	3.109	ug/l #	60
68) m/p-Xylenes	9.36	106	1422	0.212	ug/l	99
74) N-amyl acetate	10.02	43	1849	0.277	ug/l #	60
76) 1,2,3-Trichloropropane	10.29	75	125204	22.517	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	125204	75.723	ug/l #	100
82) 4-Chlorotoluene	10.76	91	3254	0.242	ug/l	92
85) sec-Butylbenzene	11.31	105	3319	0.203	ug/l	96
86) p-Isopropyltoluene	11.46	119	3455	0.229	ug/l #	78
87) 1,3-Dichlorobenzene	11.41	146	2780	0.329	ug/l	96
88) 1,4-Dichlorobenzene	11.41	146	2780	0.315	ug/l	96
89) n-Butylbenzene	11.87	91	4495	0.342	ug/l	90
91) 1,2-Dichlorobenzene	11.86	146	2266	0.273	ug/l	99
93) 1,2,4-Trichlorobenzene	13.50	180	3490	3.991	ug/l #	87
94) Hexachlorobutadiene	13.68	225	1557	0.535	ug/l	94
95) Naphthalene	13.74	128	17962	4.940	ug/l #	87
96) 1,2,3-Trichlorobenzene	13.98	180	4318	3.341	ug/l	91

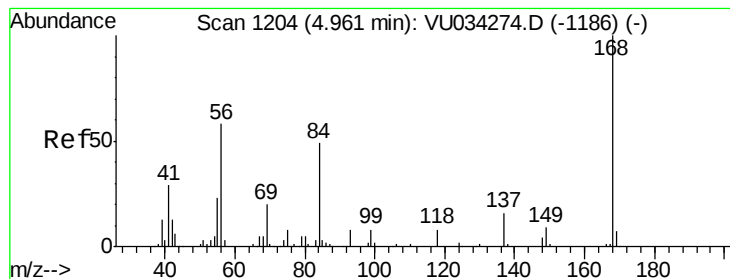
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034354.D
Acq On : 07 Sep 2019 01:04
Operator : JC/SP
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Quant Time: Sep 07 04:14:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

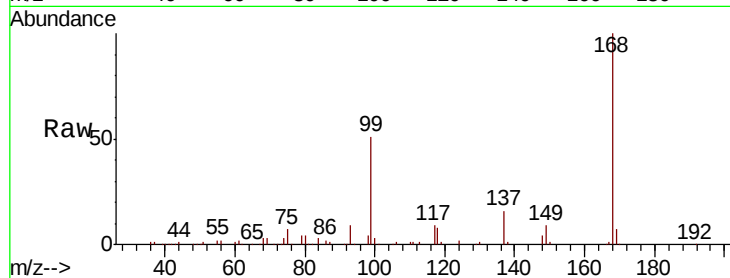
S13-ER-2019-1

Tgt Ion:168 Resp: 295160

Ion Ratio Lower Upper

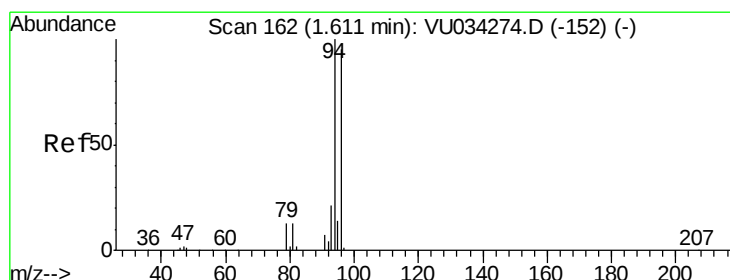
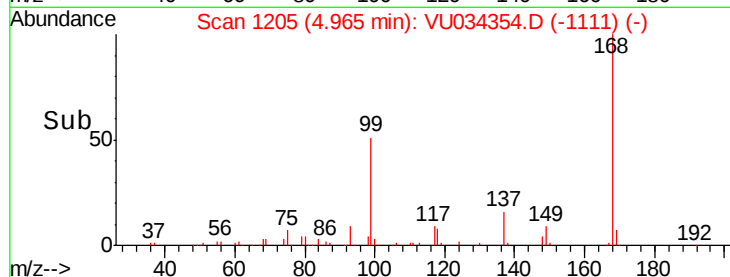
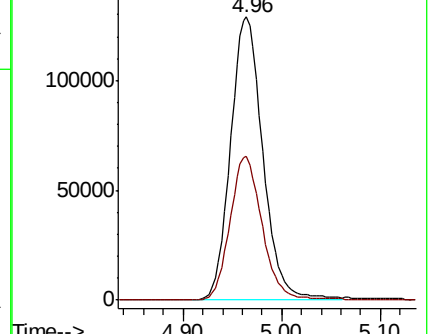
168 100

99 50.6 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# 168

Delta R.T. 0.02 min

Lab File: VU034354.D

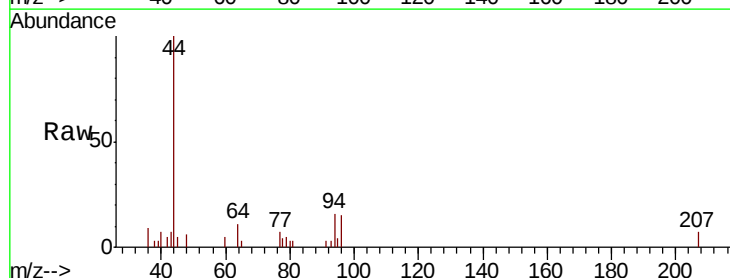
Acq: 07 Sep 2019 01:04

Tgt Ion: 94 Resp: 782

Ion Ratio Lower Upper

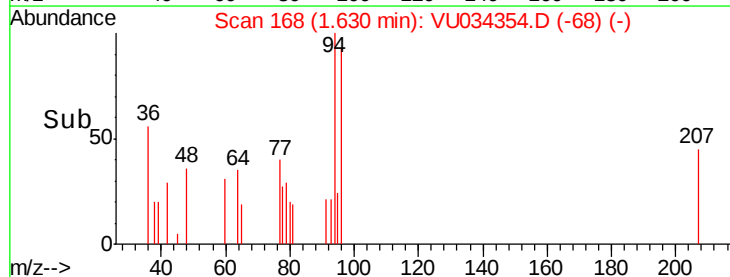
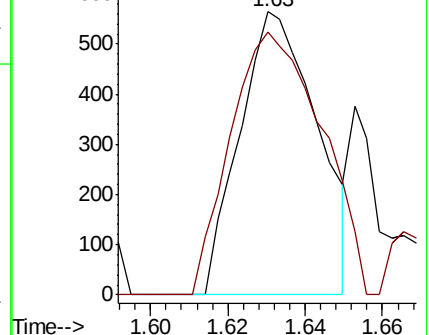
94 100

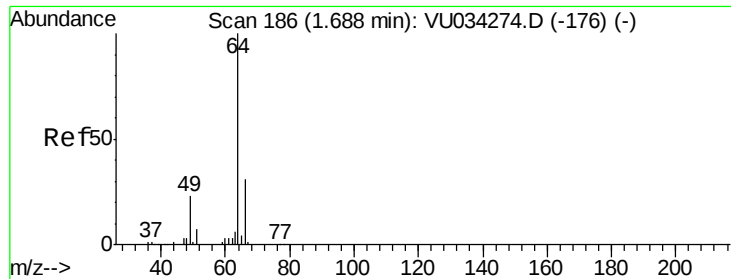
96 92.9 75.7 113.5



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: 1.70 min Scan# 191

Delta R.T. 0.02 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

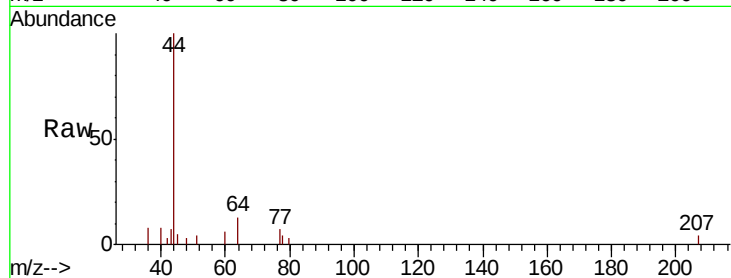
S13-ER-2019-1

Tgt Ion: 64 Resp: 228

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#

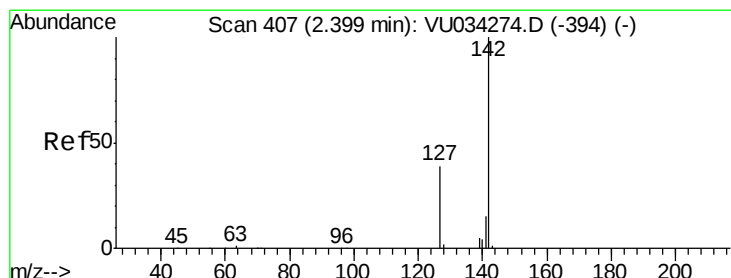
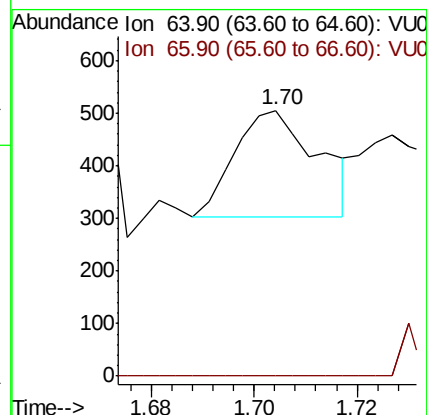
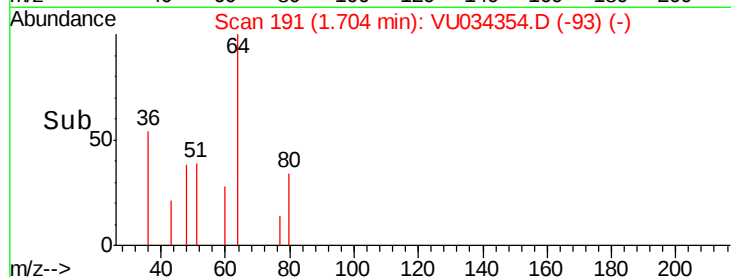


Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)

1.70

1.72



#10

Methyl Iodide

Concen: 4.139 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

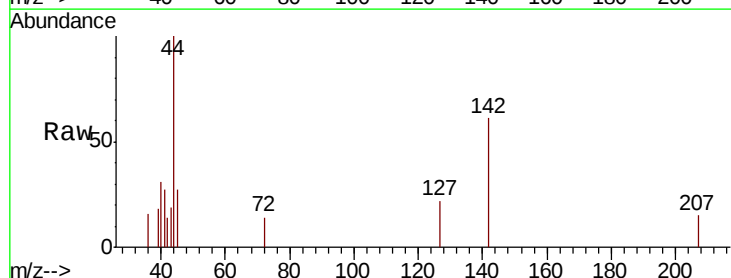
Tgt Ion: 142 Resp: 991

Ion Ratio Lower Upper

142 100

127 32.0 32.1 48.1#

141 0.0 11.5 17.3#



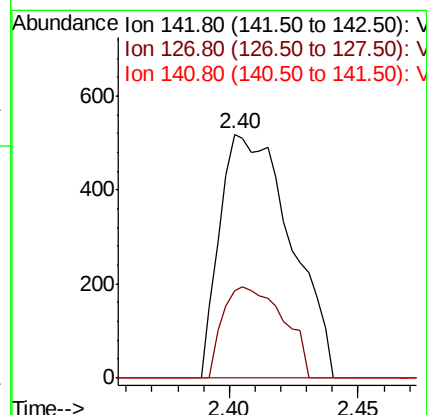
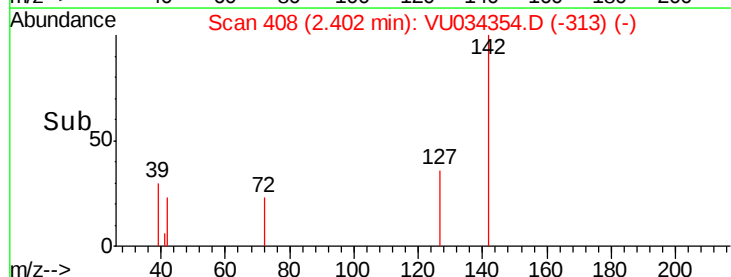
Abundance Ion 141.80 (141.50 to 142.50): VU034274.D (-394) (-)

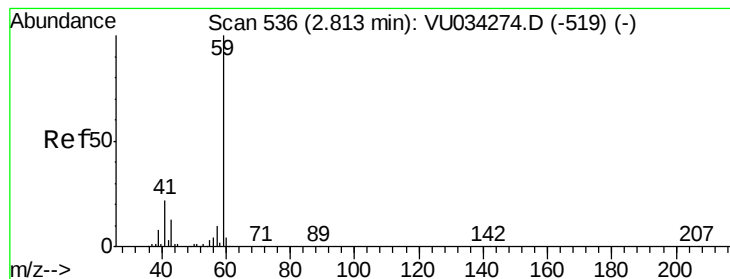
Ion 126.80 (126.50 to 127.50): VU034274.D (-394) (-)

Ion 140.80 (140.50 to 141.50): VU034274.D (-394) (-)

2.40

2.45



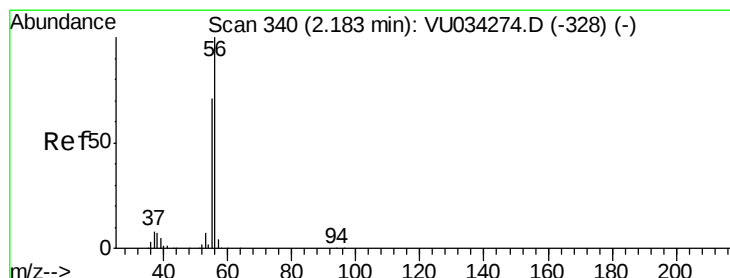
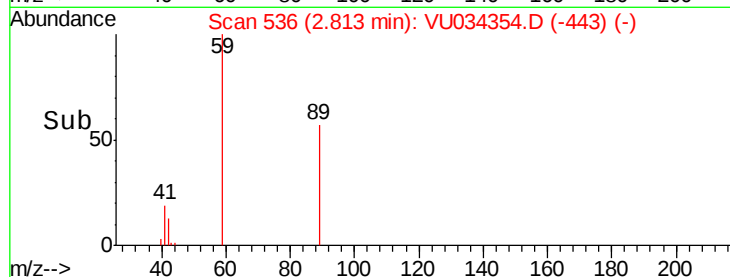
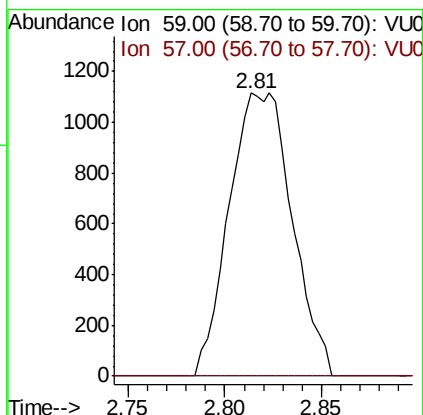
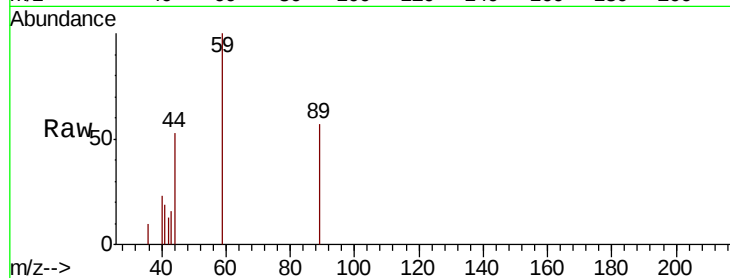


#11

Tert butyl alcohol
 Concen: 2.682 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VU034354.D
 Acq: 07 Sep 2019 01:04

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-ER-2019-1

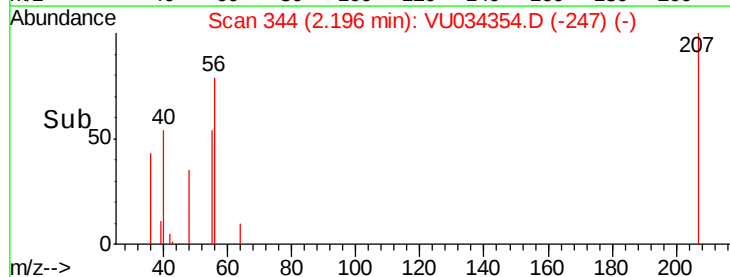
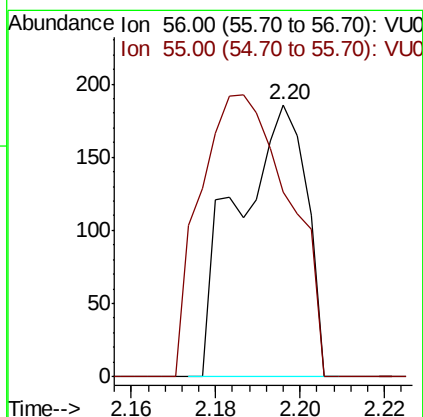
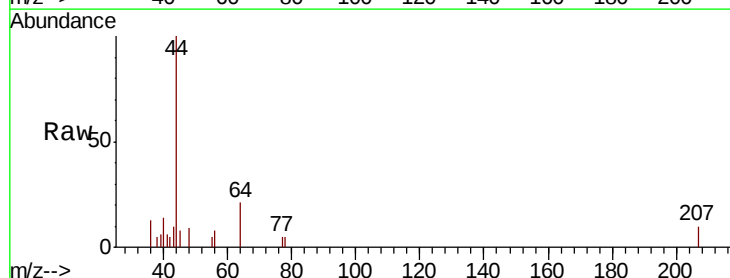
Tgt Ion: 59 Resp: 2530
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

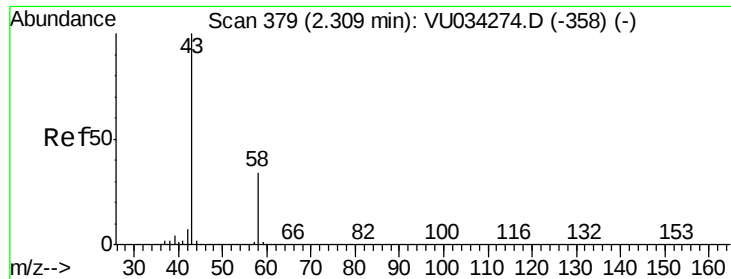


#13

Acrolein
 Concen: 0.266 ug/l
 RT: 2.20 min Scan# 344
 Delta R.T. 0.01 min
 Lab File: VU034354.D
 Acq: 07 Sep 2019 01:04

Tgt Ion: 56 Resp: 211
 Ion Ratio Lower Upper
 56 100
 55 133.2 57.4 86.2#





#16

Acetone

Concen: 2.601 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

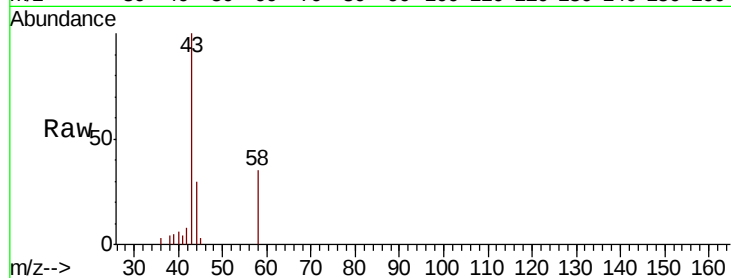
S13-ER-2019-1

Tgt Ion: 43 Resp: 6011

Ion Ratio Lower Upper

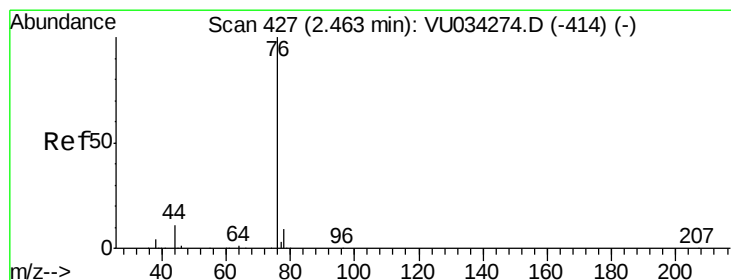
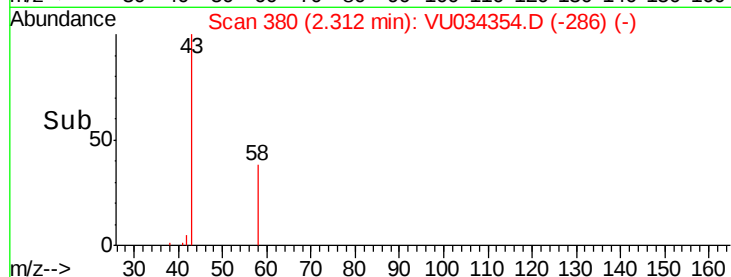
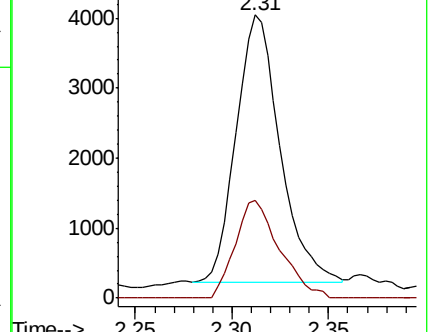
43 100

58 36.7 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)



#17

Carbon Disulfide

Concen: 0.352 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034354.D

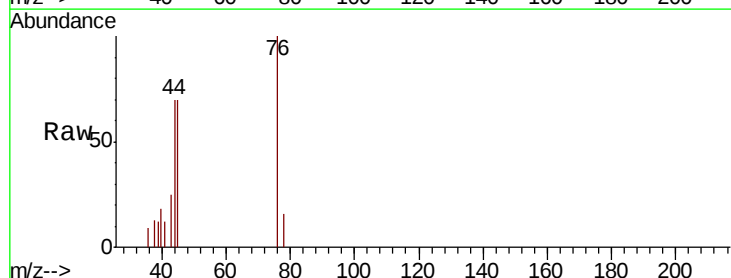
Acq: 07 Sep 2019 01:04

Tgt Ion: 76 Resp: 2537

Ion Ratio Lower Upper

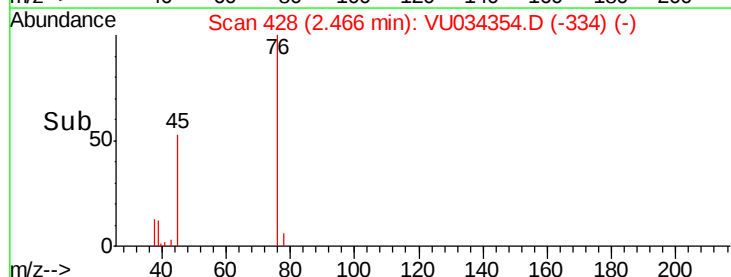
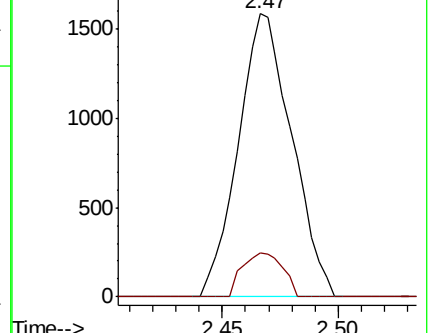
76 100

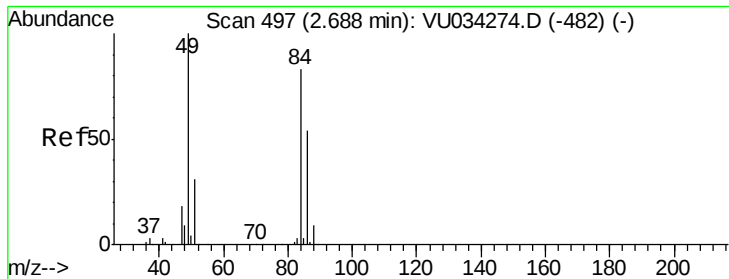
78 15.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU034274.D (-414) (-)

Ion 77.90 (77.60 to 78.60): VU034274.D (-414) (-)





#20

Methylene Chloride

Concen: 4.612 ug/l

RT: 2.69 min Scan# 498

Delta R.T. 0.00 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

S13-ER-2019-1

Tgt Ion: 84 Resp: 18831

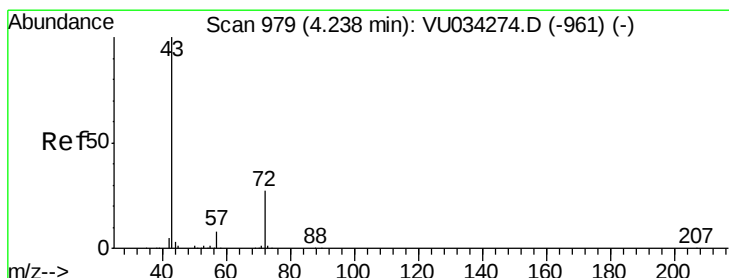
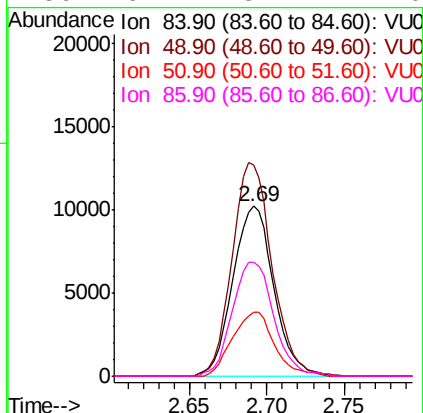
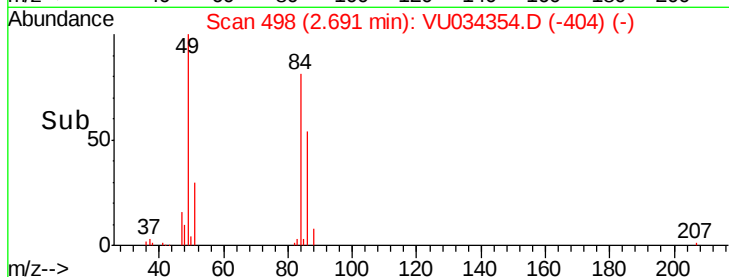
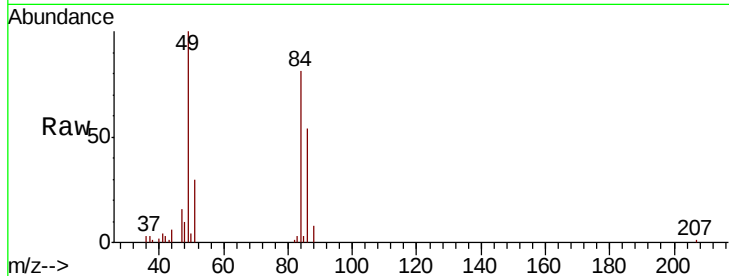
Ion Ratio Lower Upper

84 100

49 124.1 96.0 144.0

51 37.3 30.0 45.0

86 67.4 51.4 77.0



#25

2-Butanone

Concen: 2.094 ug/l

RT: 4.28 min Scan# 991

Delta R.T. 0.04 min

Lab File: VU034354.D

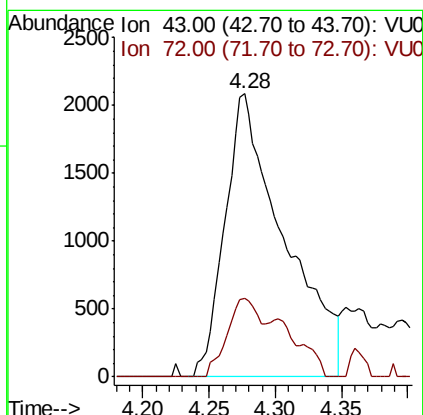
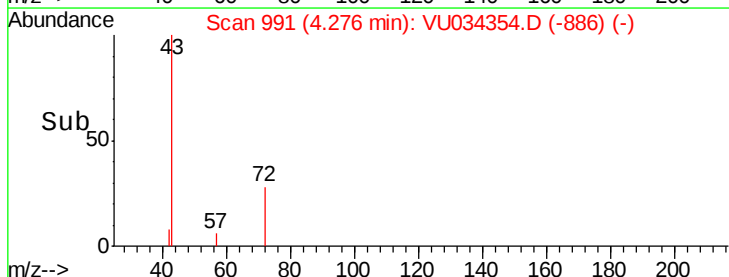
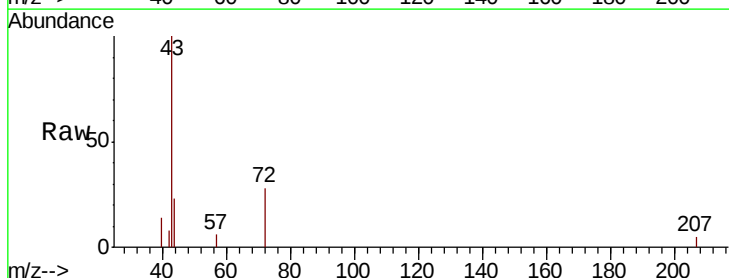
Acq: 07 Sep 2019 01:04

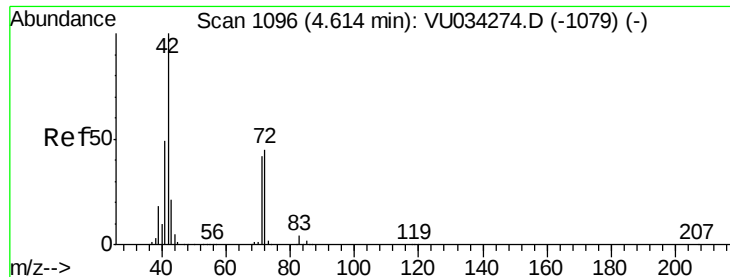
Tgt Ion: 43 Resp: 6461

Ion Ratio Lower Upper

43 100

72 27.9 21.8 32.6





#29

Tetrahydrofuran

Concen: 126.057 ug/l

RT: 4.62 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

S13-ER-2019-1

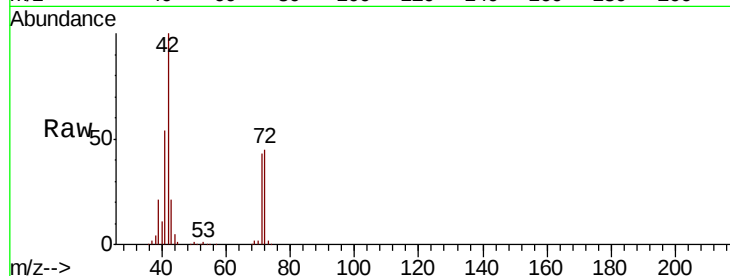
Tgt Ion: 42 Resp: 236636

Ion Ratio Lower Upper

42 100

72 46.2 36.6 54.8

71 42.0 34.3 51.5



Abundance Ion 42.00 (41.70 to 42.70): VU034274.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU034274.D (-1079) (-)

4.62

120000

100000

80000

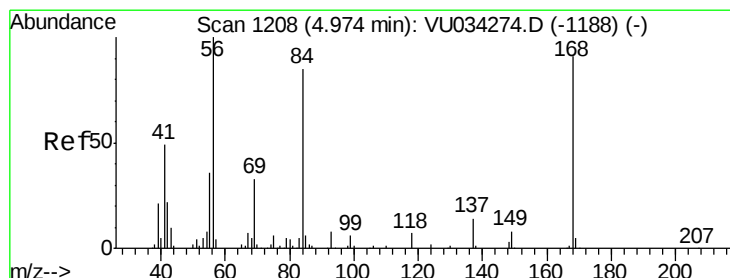
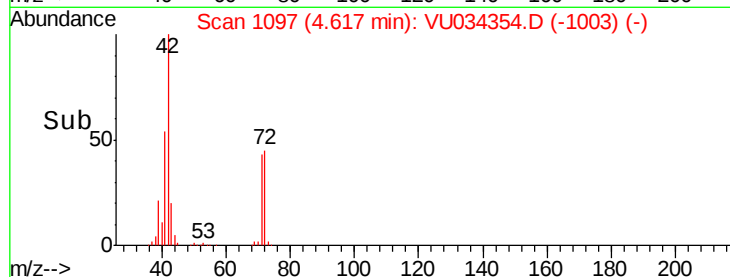
60000

40000

20000

0

Time--> 4.50 4.60 4.70



#31

Cyclohexane

Concen: 0.938 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

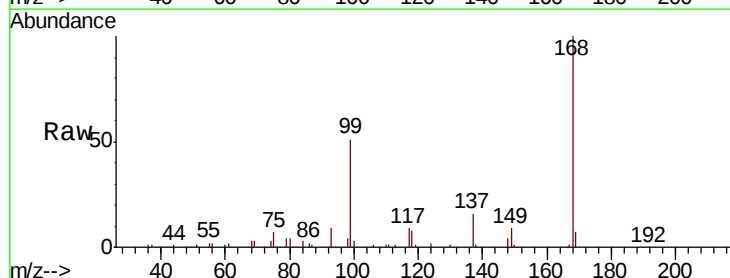
Tgt Ion: 56 Resp: 4908

Ion Ratio Lower Upper

56 100

69 205.0 26.7 40.1#

84 160.4 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034274.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034274.D (-1188) (-)

4.96

6000

5000

4000

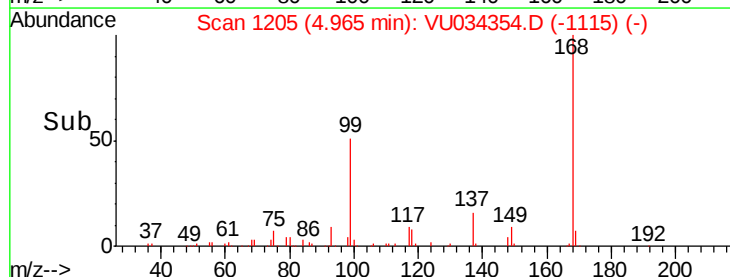
3000

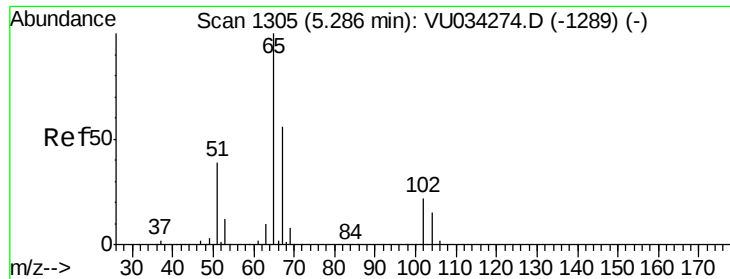
2000

1000

0

Time--> 4.90 4.95 5.00 5.05

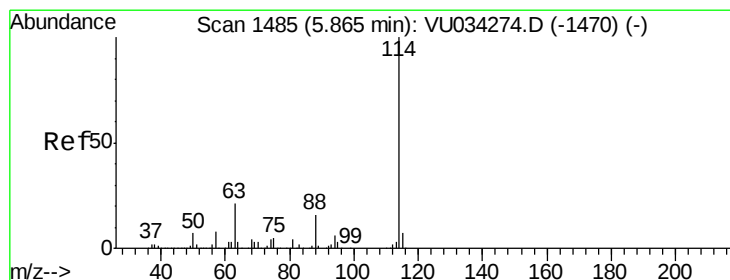
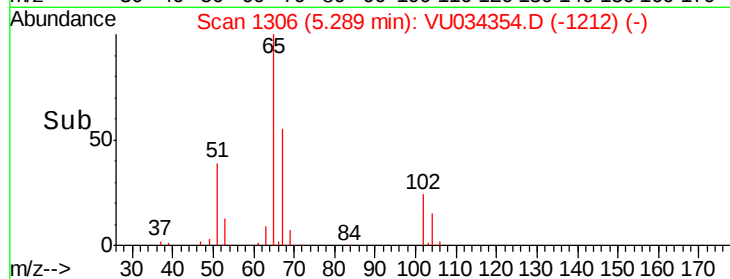
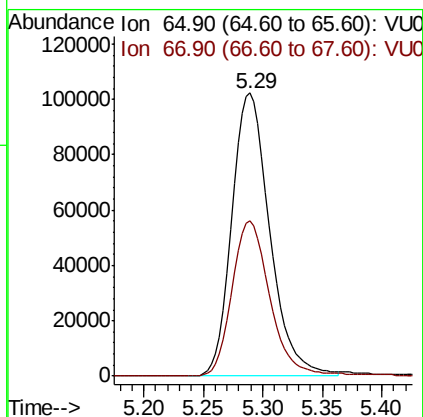
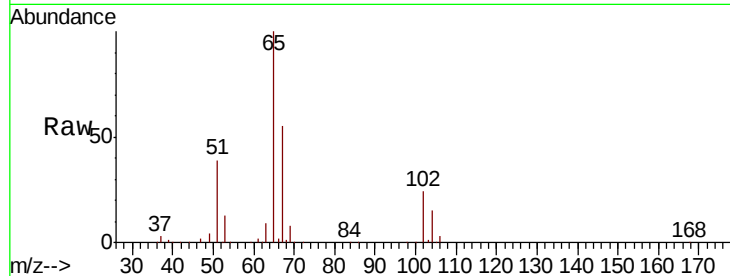




#33
 1,2-Dichloroethane-d4
 Concen: 50.639 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034354.D
 Acq: 07 Sep 2019 01:04

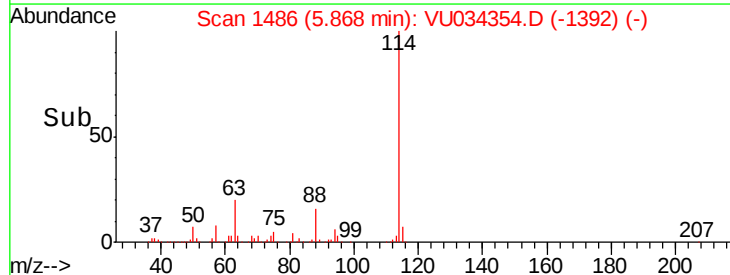
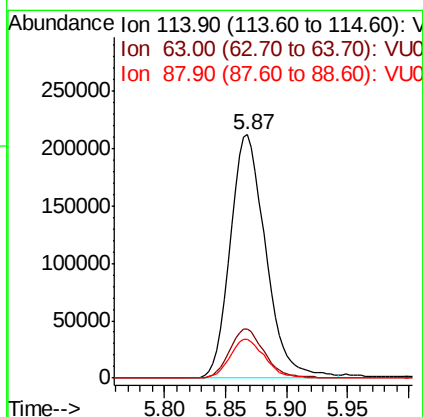
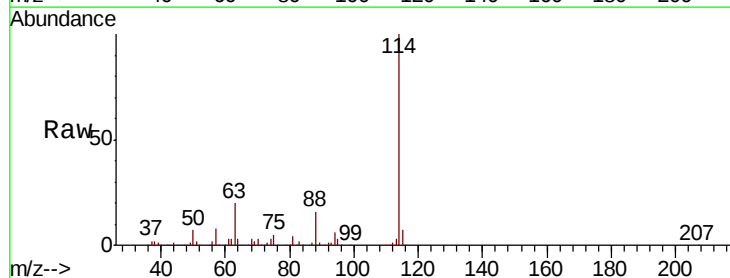
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-ER-2019-1

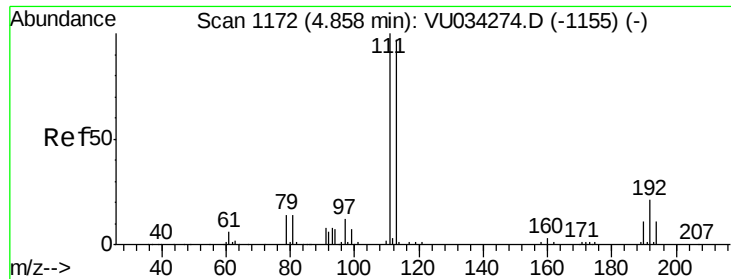
Tgt Ion: 65 Resp: 226147
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034354.D
 Acq: 07 Sep 2019 01:04

Tgt Ion: 114 Resp: 429627
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 15.8 0.0 32.4

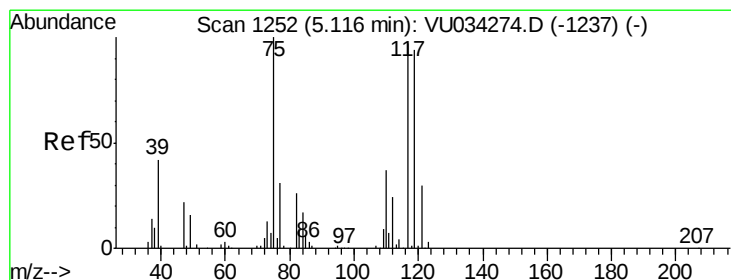
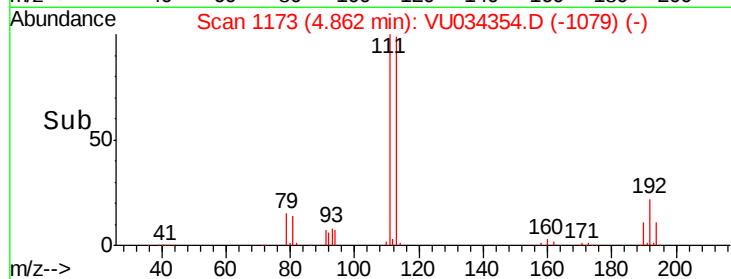
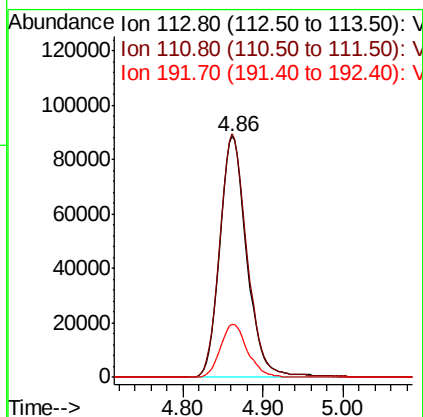
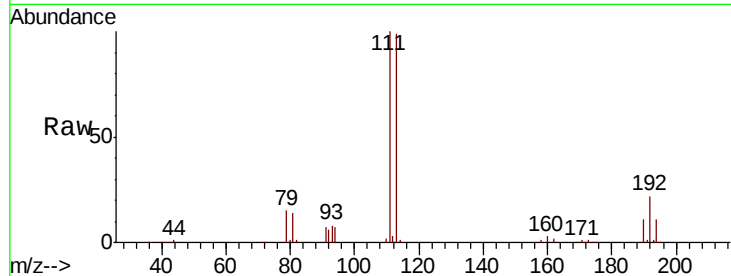




#35
 Dibromofluoromethane
 Concen: 51.591 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034354.D
 Acq: 07 Sep 2019 01:04

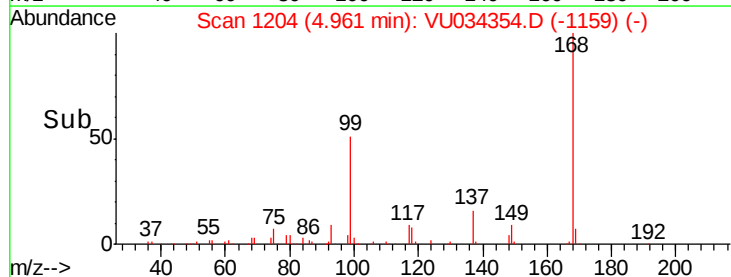
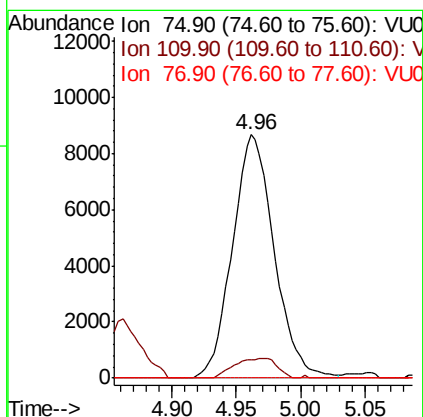
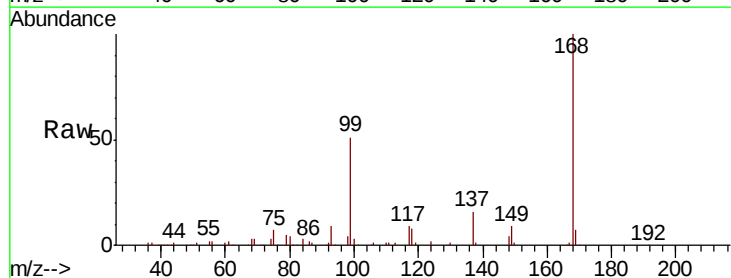
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-ER-2019-1

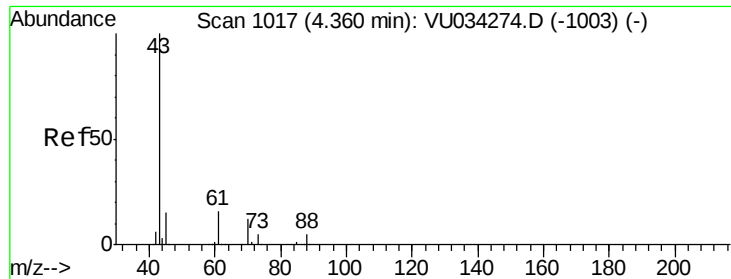
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.5	122.3
192	22.2	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.184 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034354.D
 Acq: 07 Sep 2019 01:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.3	54.9#
77	0.0	24.9	37.3#

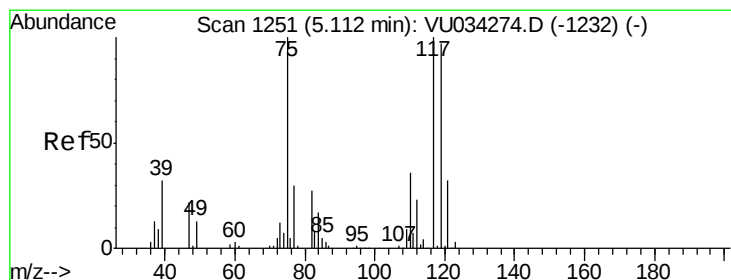
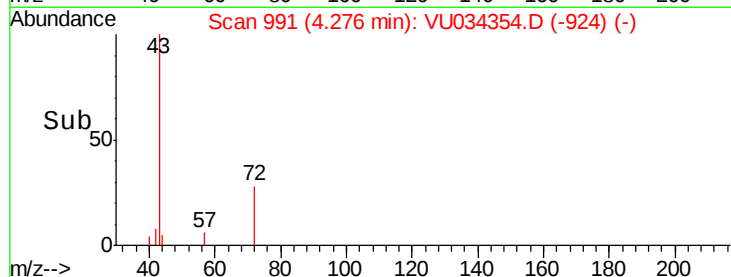
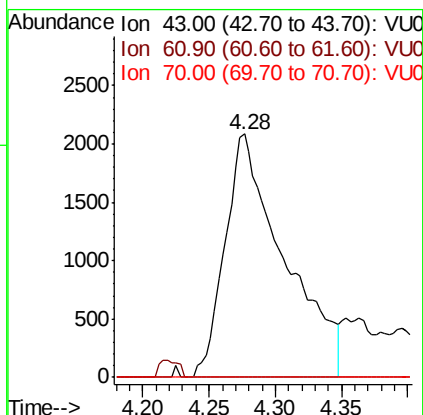
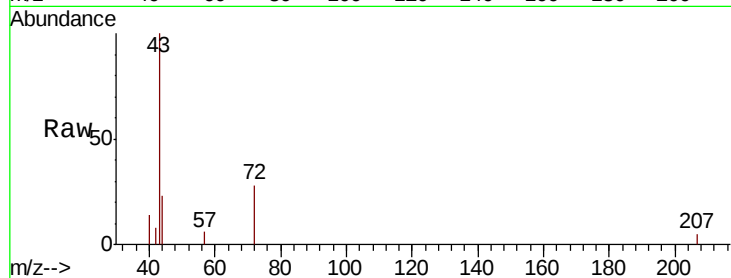




#37
Ethyl Acetate
Concen: 1.173 ug/l
RT: 4.28 min Scan# 991
Delta R.T. -0.08 min
Lab File: VU034354.D
Acq: 07 Sep 2019 01:04

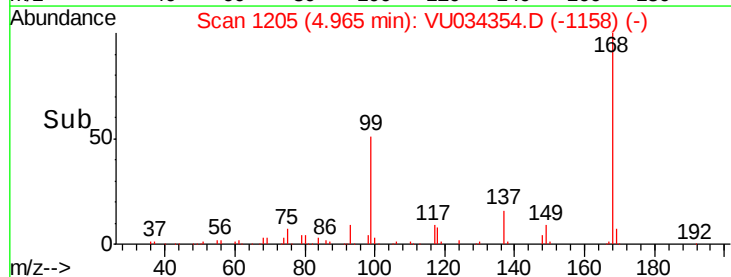
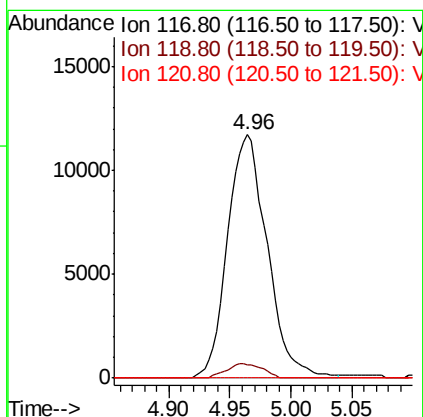
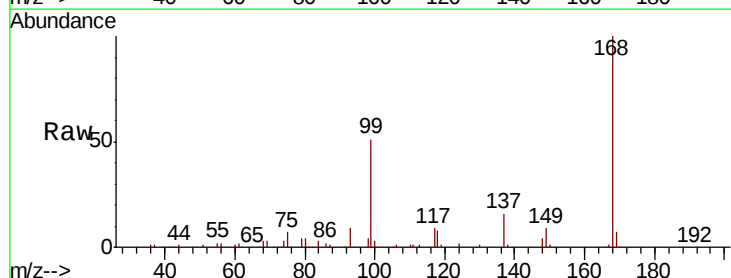
Instrument :
MSVOA_U
ClientSampleId :
S13-ER-2019-1

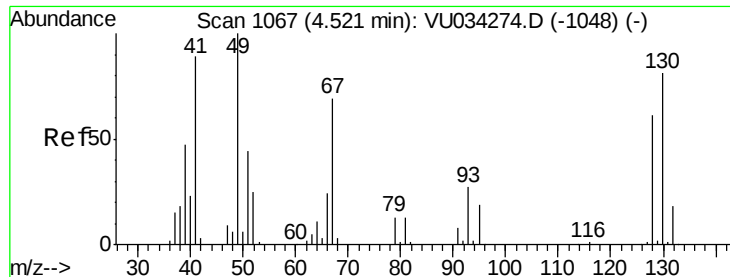
Tgt Ion: 43 Resp: 6461
Ion Ratio Lower Upper
43 100
61 0.0 12.3 18.5#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.347 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.15 min
Lab File: VU034354.D
Acq: 07 Sep 2019 01:04

Tgt Ion: 117 Resp: 26603
Ion Ratio Lower Upper
117 100
119 5.6 77.8 116.6#
121 0.0 25.2 37.8#





#41

Methacrylonitrile

Concen: 43.936 ug/l

RT: 4.62 min Scan# 1097

Delta R.T. 0.10 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

S13-ER-2019-1

Tgt Ion: 41 Resp: 128923

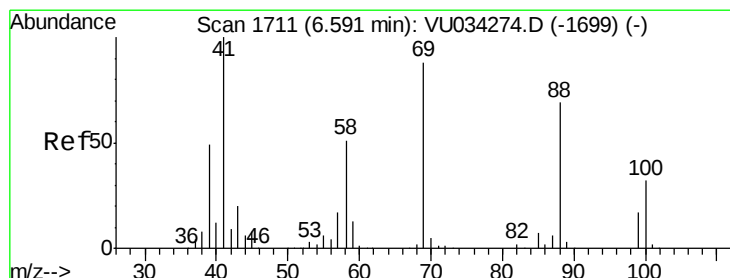
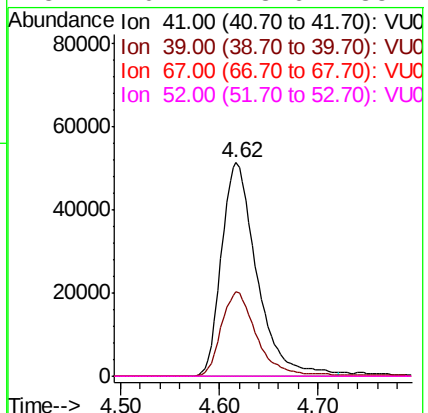
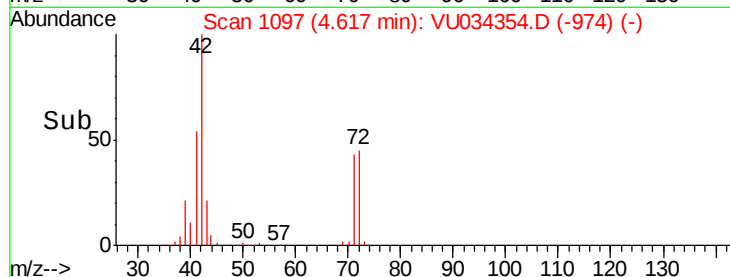
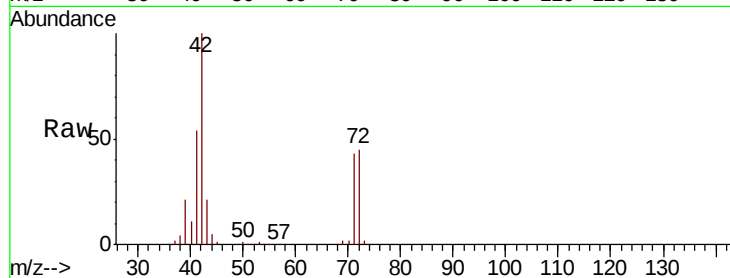
Ion Ratio Lower Upper

41 100

39 38.9 41.0 61.4#

67 0.0 62.4 93.6#

52 0.1 23.6 35.4#



#49

1,4-Dioxane

Concen: 0.785 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.01 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

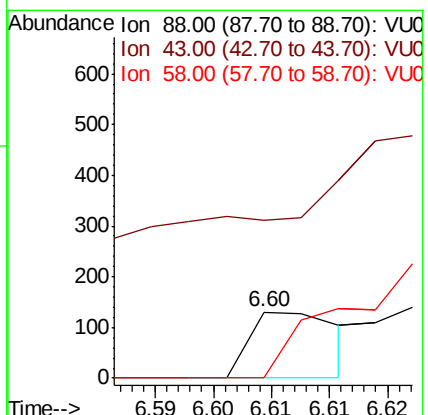
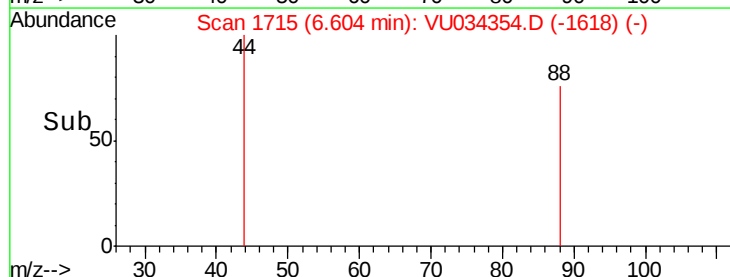
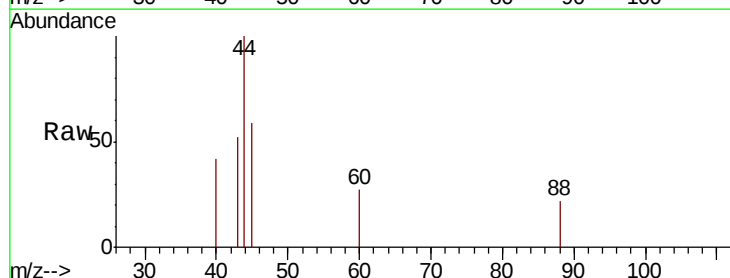
Tgt Ion: 88 Resp: 70

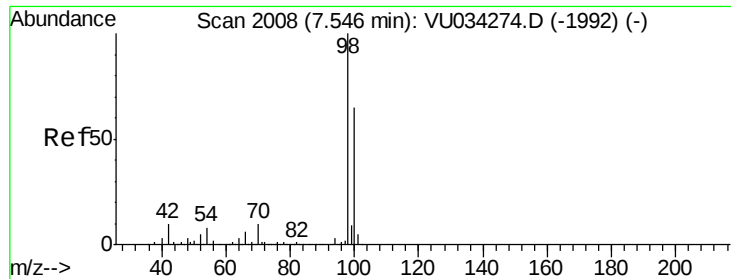
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.6#

58 0.0 58.4 87.6#

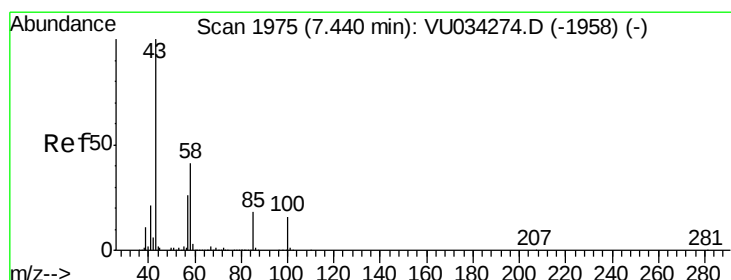
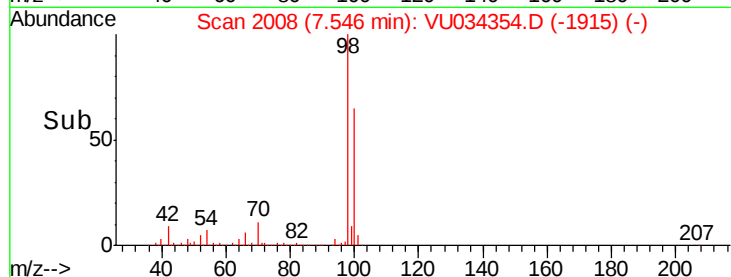
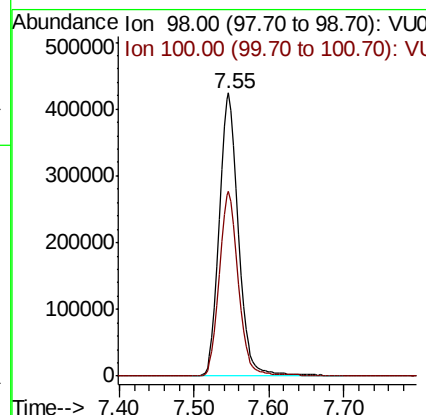
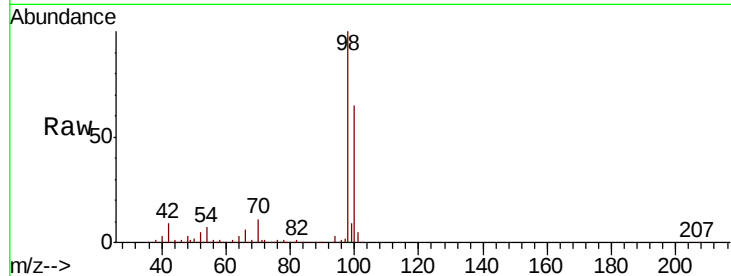




#50
Toluene-d8
Concen: 50.635 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034354.D
Acq: 07 Sep 2019 01:04

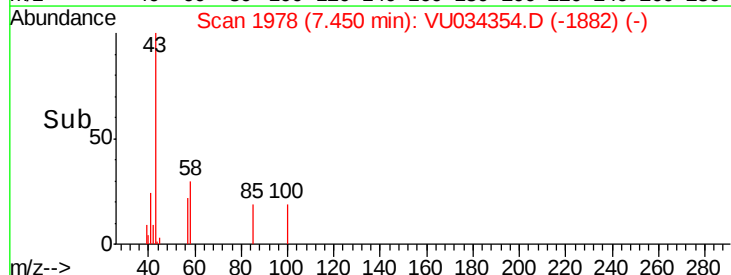
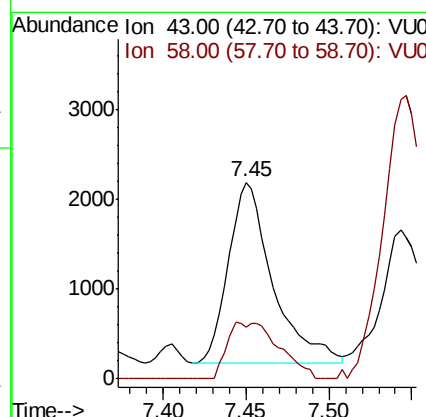
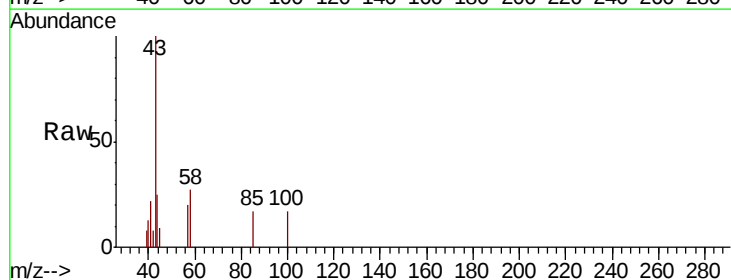
Instrument :
MSVOA_U
ClientSampleId :
S13-ER-2019-1

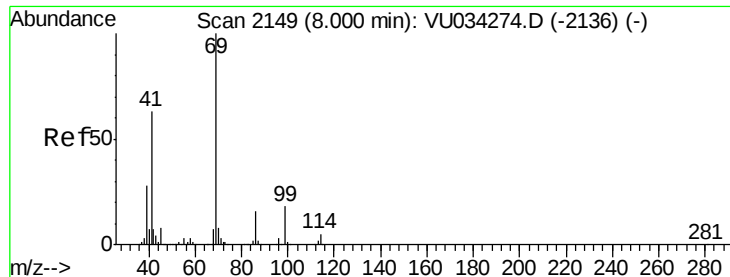
Tgt Ion: 98 Resp: 760504
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.635 ug/l
RT: 7.45 min Scan# 1978
Delta R.T. 0.01 min
Lab File: VU034354.D
Acq: 07 Sep 2019 01:04

Tgt Ion: 43 Resp: 3779
Ion Ratio Lower Upper
43 100
58 14.2 33.0 49.4#





#56

Ethyl methacrylate

Concen: 3.109 ug/l

RT: 8.03 min Scan# 2158

Delta R.T. 0.03 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

S13-ER-2019-1

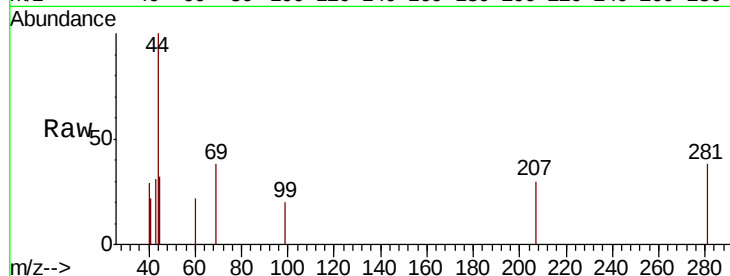
Tgt Ion: 69 Resp: 227

Ion Ratio Lower Upper

69 100

41 88.1 49.5 74.3#

39 0.0 22.5 33.7#



Abundance Ion 69.00 (68.70 to 69.70): VU034354.D (-2158) (-)

Ion 41.00 (40.70 to 41.70): VU034354.D (-2158) (-)

Ion 39.00 (38.70 to 39.70): VU034354.D (-2158) (-)

8.03

200

150

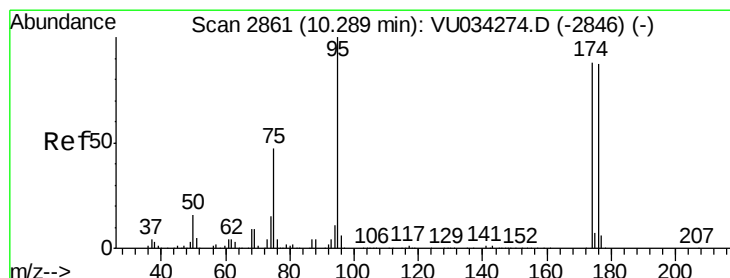
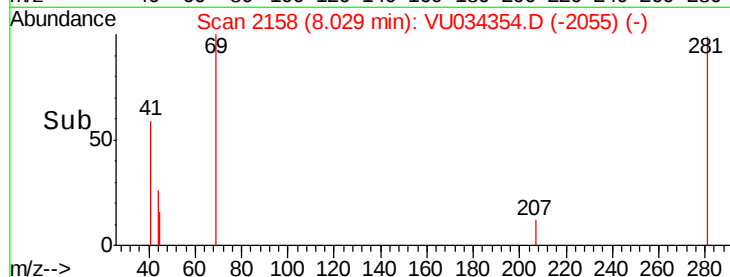
100

50

0

8.01 8.02 8.03 8.04 8.05

Time-->



#62

4-Bromofluorobenzene

Concen: 47.611 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

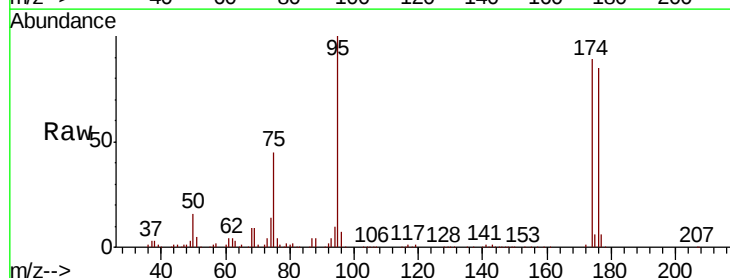
Tgt Ion: 95 Resp: 276090

Ion Ratio Lower Upper

95 100

174 88.1 0.0 175.2

176 84.5 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU034354.D (-2861) (-)

Ion 173.80 (173.50 to 174.50): VU034354.D (-2861) (-)

Ion 175.80 (175.50 to 176.50): VU034354.D (-2861) (-)

10.29

200000

150000

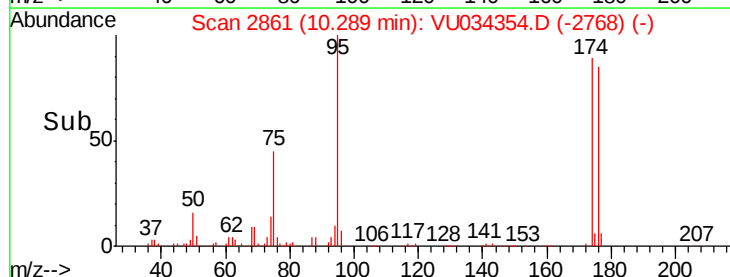
100000

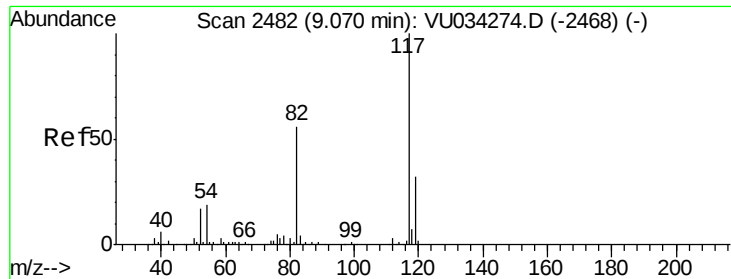
50000

0

10.20 10.30 10.40

Time-->

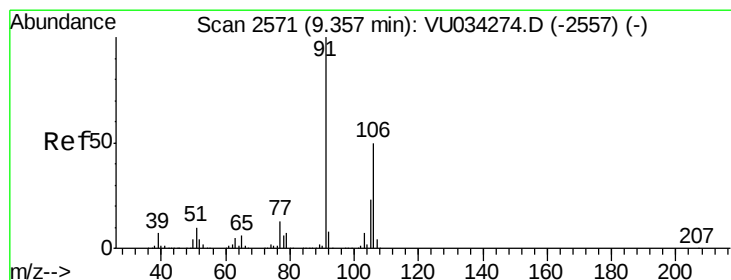
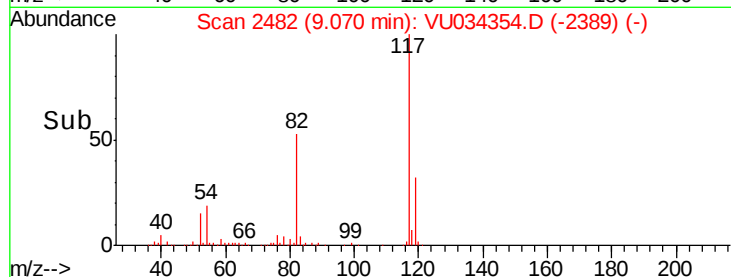
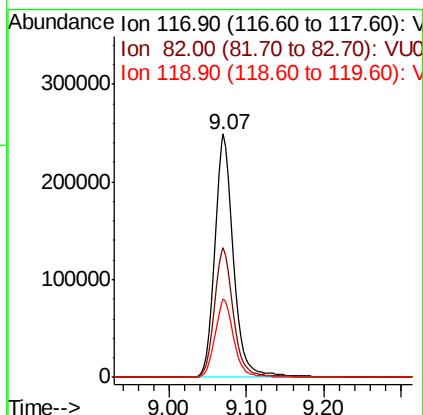
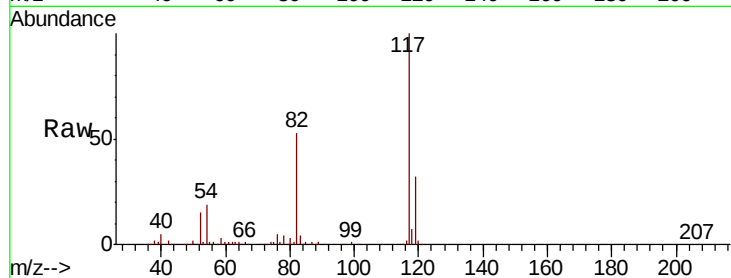




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034354.D
Acq: 07 Sep 2019 01:04

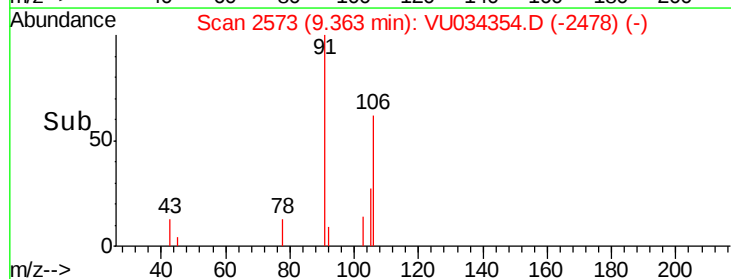
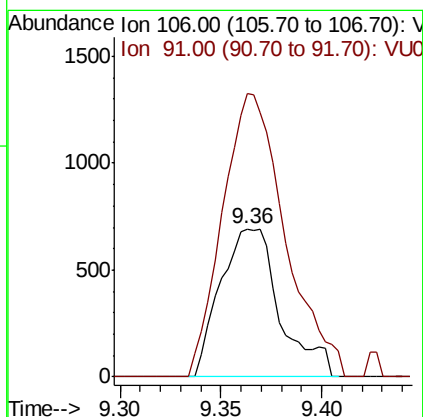
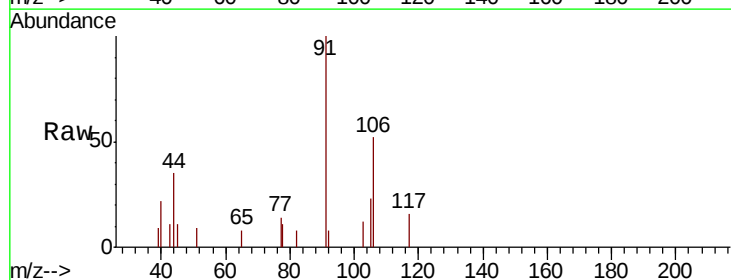
Instrument :
MSVOA_U
ClientSampleId :
S13-ER-2019-1

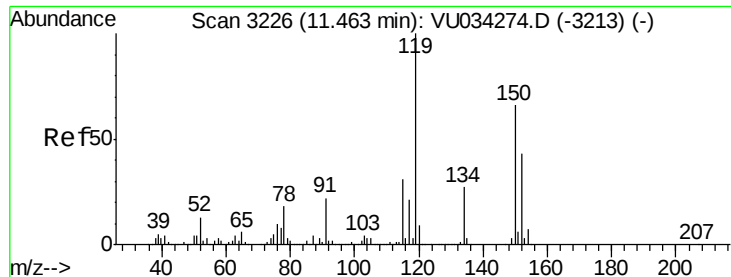
Tgt Ion:117 Resp: 428661
Ion Ratio Lower Upper
117 100
82 53.3 44.6 67.0
119 32.4 25.9 38.9



#68
m/p-Xylenes
Concen: 0.212 ug/l
RT: 9.36 min Scan# 2573
Delta R.T. 0.01 min
Lab File: VU034354.D
Acq: 07 Sep 2019 01:04

Tgt Ion:106 Resp: 1422
Ion Ratio Lower Upper
106 100
91 201.8 160.1 240.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

S13-ER-2019-1

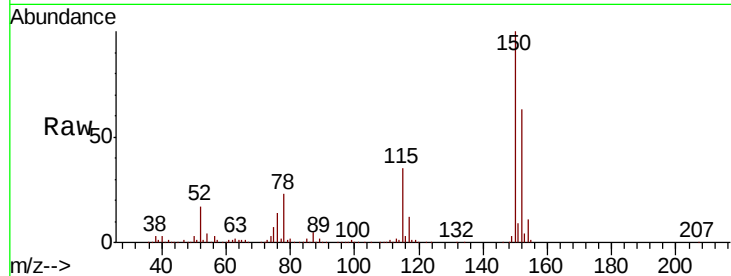
Tgt Ion:152 Resp: 254737

Ion Ratio Lower Upper

152 100

115 55.8 39.1 117.3

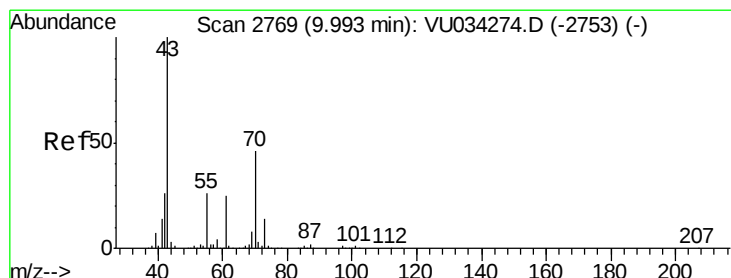
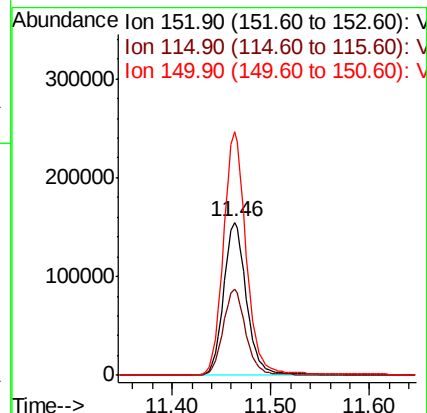
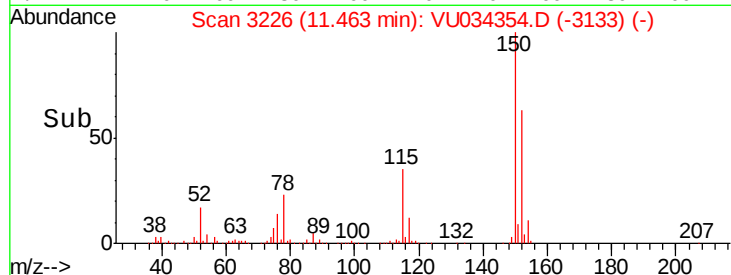
150 158.5 0.0 345.4



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: 0.277 ug/l

RT: 10.02 min Scan# 2776

Delta R.T. 0.02 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Tgt Ion: 43 Resp: 1849

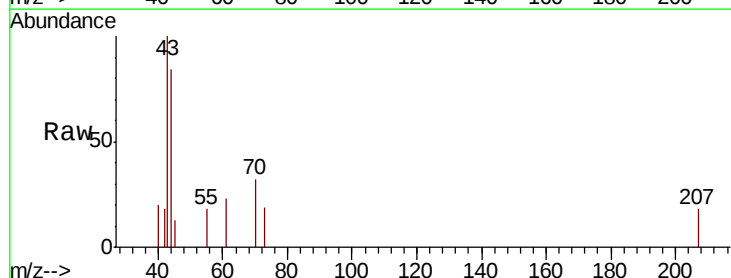
Ion Ratio Lower Upper

43 100

70 23.1 36.4 54.6#

55 5.1 21.2 31.8#

61 0.0 20.4 30.6#

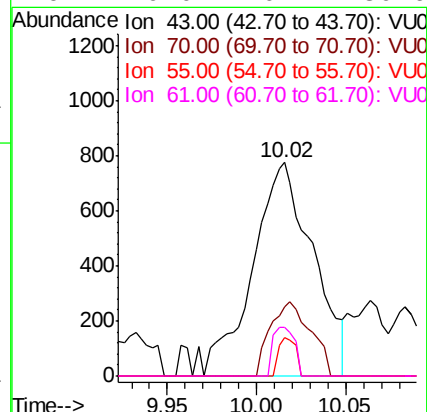
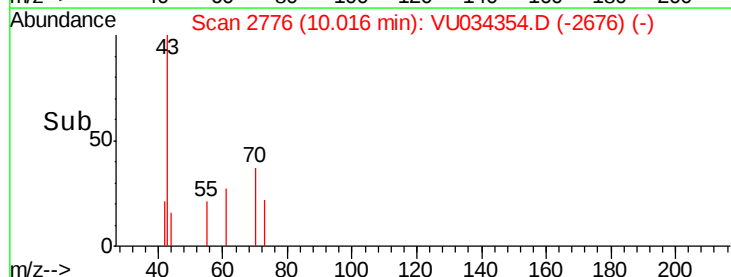


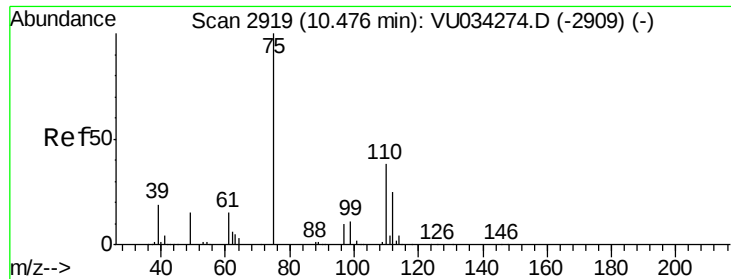
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#76

1,2,3-Trichloropropane

Concen: 22.517 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

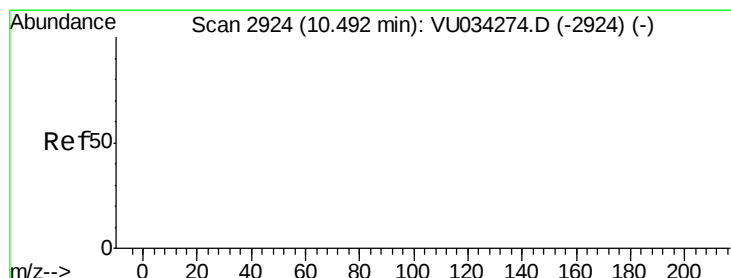
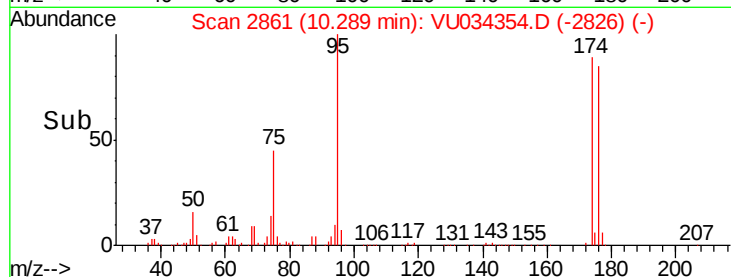
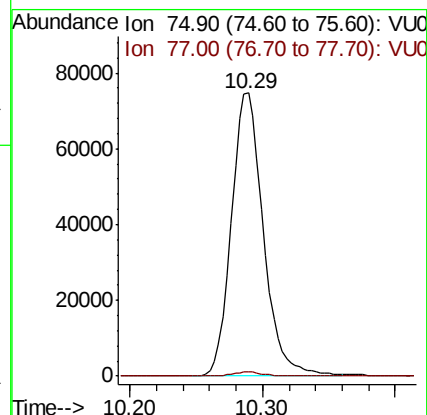
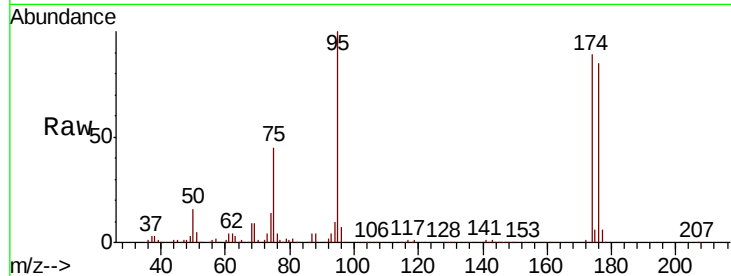
S13-ER-2019-1

Tgt Ion: 75 Resp: 125204

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.723 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

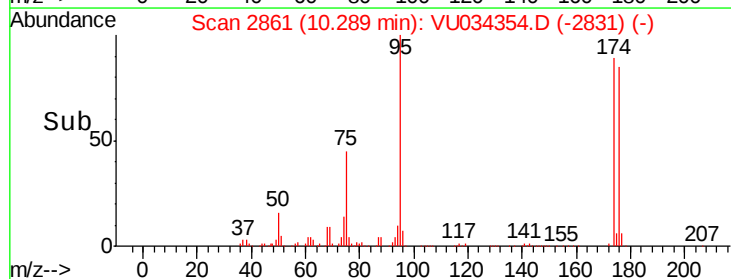
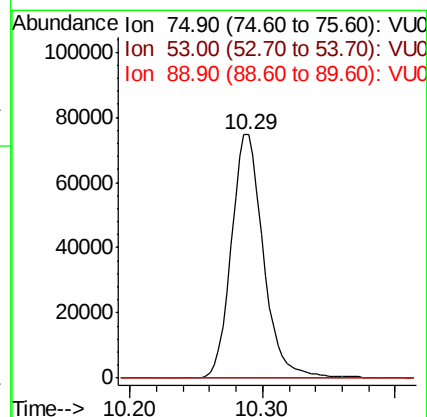
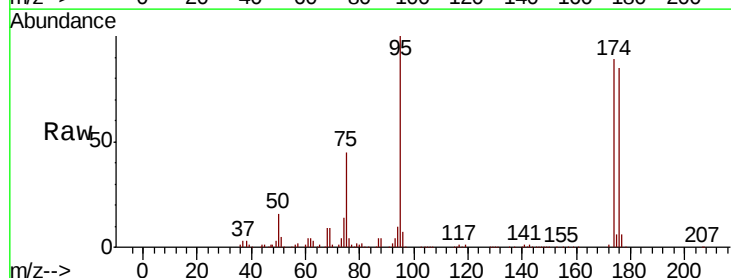
Tgt Ion: 75 Resp: 125204

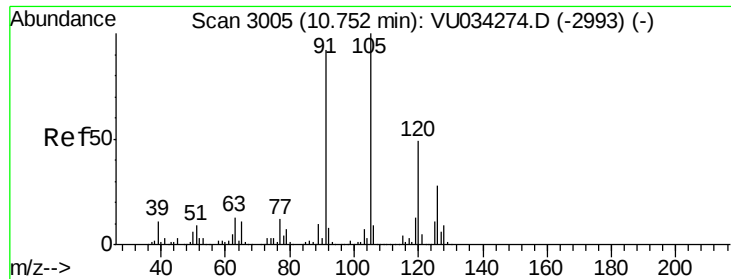
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0#

89 0.0 0.0 0.0

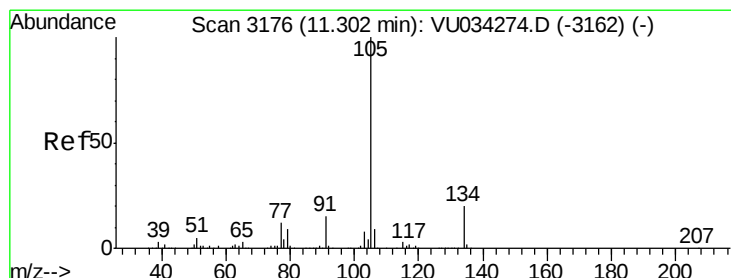
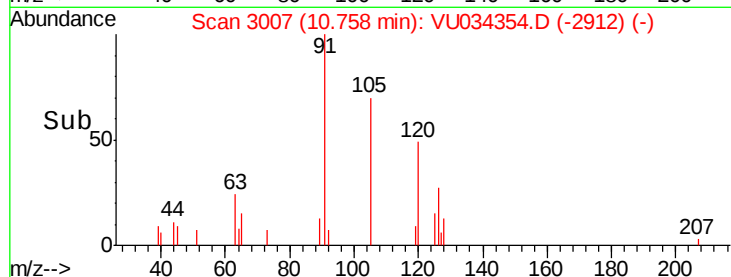
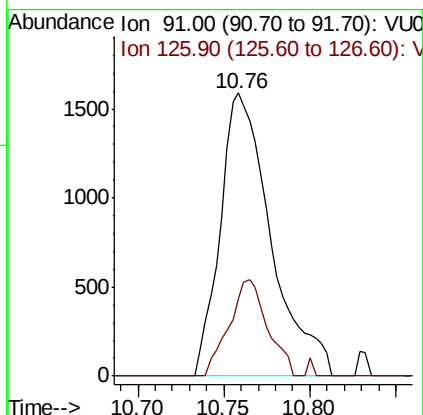
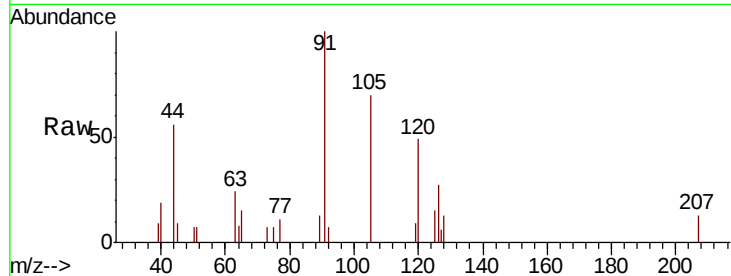




#82
4-Chlorotoluene
Concen: 0.242 ug/l
RT: 10.76 min Scan# 3007
Delta R.T. 0.01 min
Lab File: VU034354.D
Acq: 07 Sep 2019 01:04

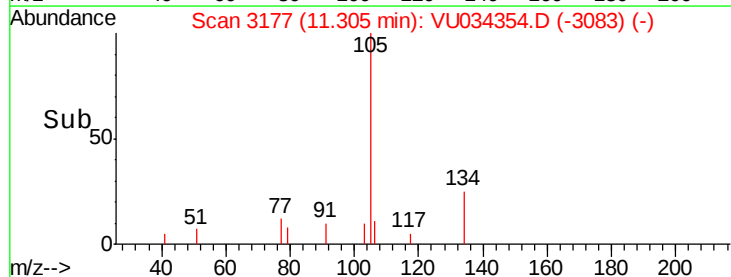
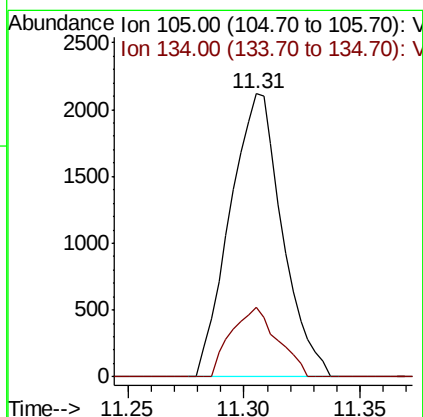
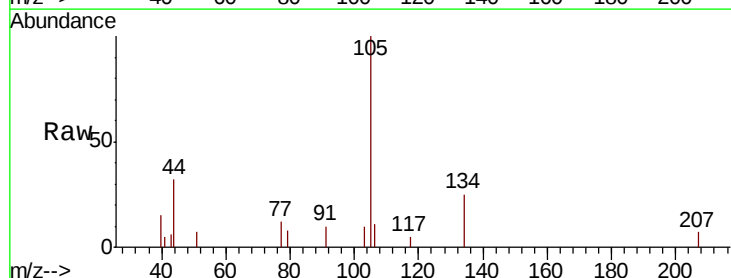
Instrument :
MSVOA_U
ClientSampleId :
S13-ER-2019-1

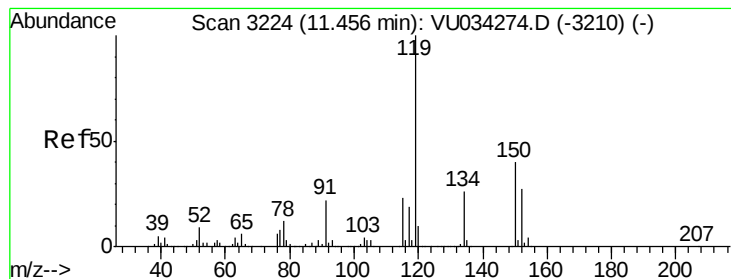
Tgt Ion: 91 Resp: 3254
Ion Ratio Lower Upper
91 100
126 25.9 15.3 45.8



#85
sec-Butylbenzene
Concen: 0.203 ug/l
RT: 11.31 min Scan# 3177
Delta R.T. 0.00 min
Lab File: VU034354.D
Acq: 07 Sep 2019 01:04

Tgt Ion: 105 Resp: 3319
Ion Ratio Lower Upper
105 100
134 21.9 10.1 30.3





#86

p-Isopropyltoluene

Concen: 0.229 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. 0.00 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

S13-ER-2019-1

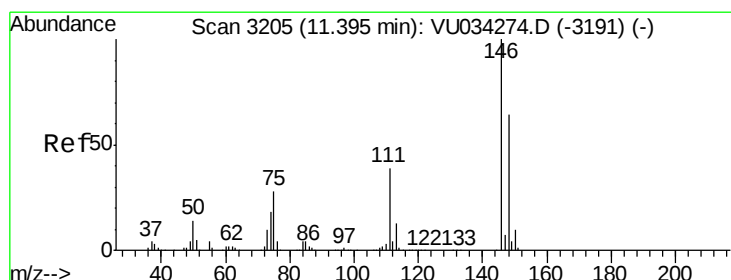
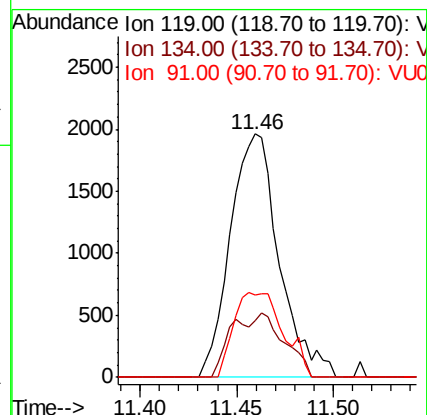
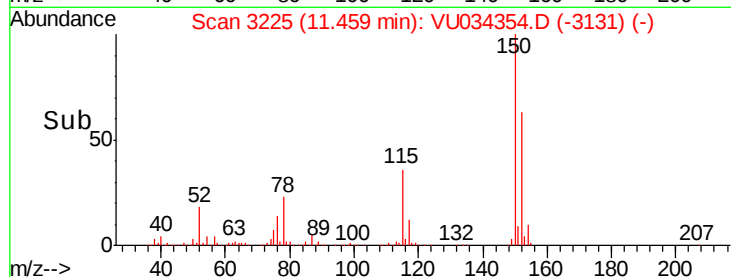
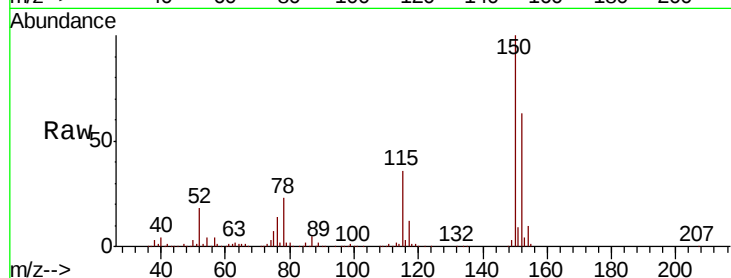
Tgt Ion:119 Resp: 3455

Ion Ratio Lower Upper

119 100

134 16.8 13.3 39.8

91 35.0 11.2 33.6#



#87

1,3-Dichlorobenzene

Concen: 0.329 ug/l

RT: 11.41 min Scan# 3209

Delta R.T. 0.01 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

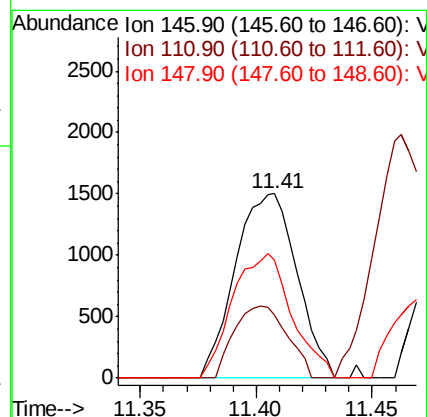
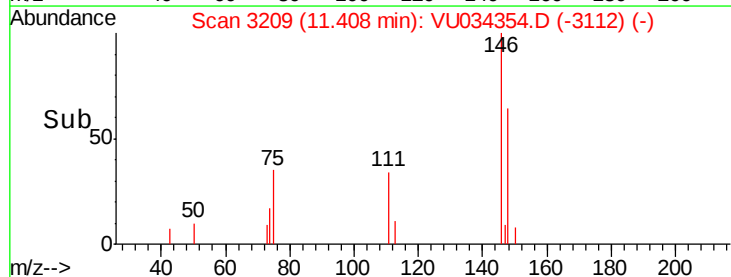
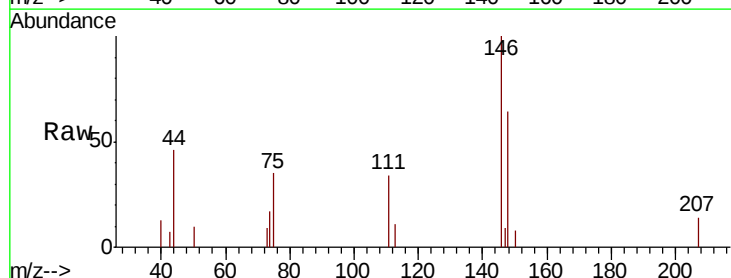
Tgt Ion:146 Resp: 2780

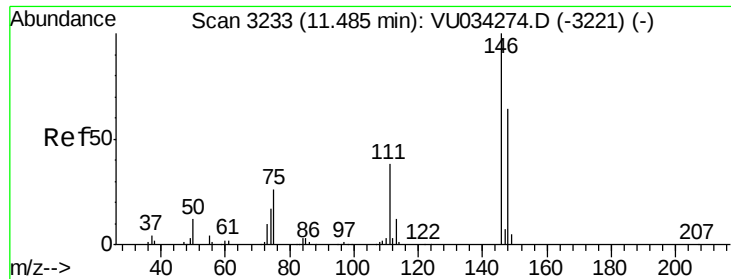
Ion Ratio Lower Upper

146 100

111 33.6 19.5 58.5

148 64.9 32.1 96.3

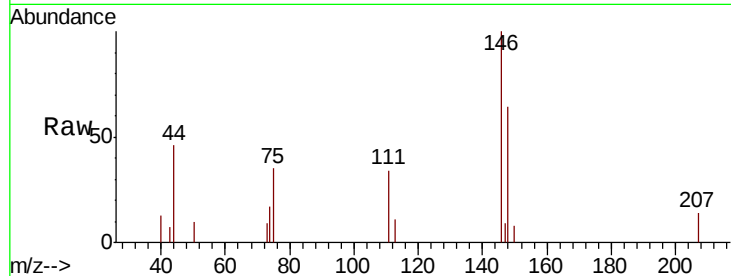




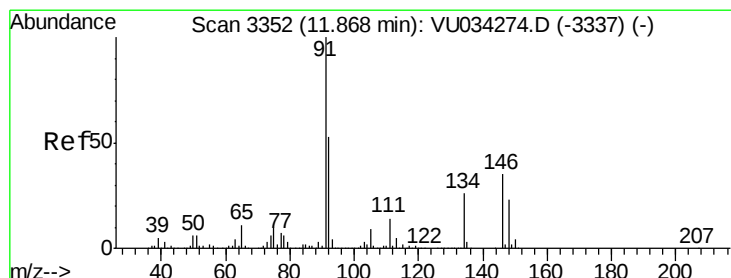
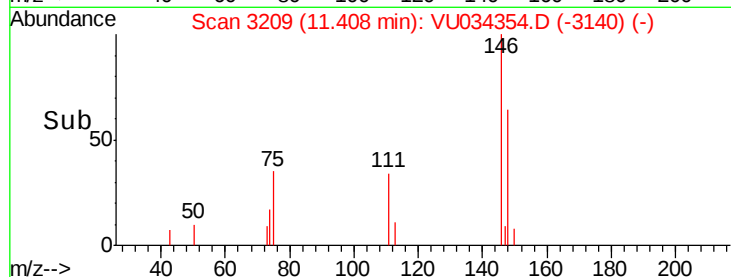
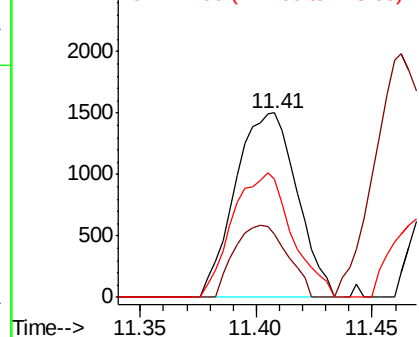
#88
 1,4-Dichlorobenzene
 Concen: 0.315 ug/l
 RT: 11.41 min Scan# 3209
 Delta R.T. -0.08 min
 Lab File: VU034354.D
 Acq: 07 Sep 2019 01:04

Instrument :
 MSVOA_U
 ClientSampled :
 S13-ER-2019-1

Tgt Ion: 146 Resp: 2780
 Ion Ratio Lower Upper
 146 100
 111 33.6 19.1 57.3
 148 64.9 32.0 96.0

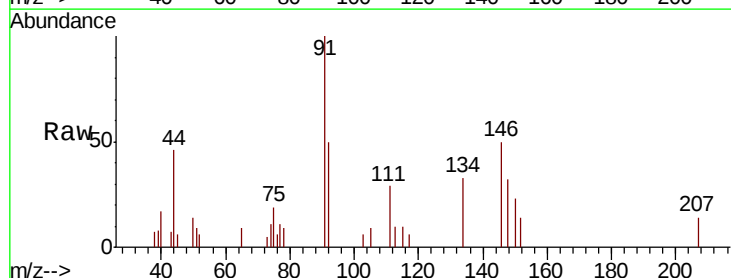


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

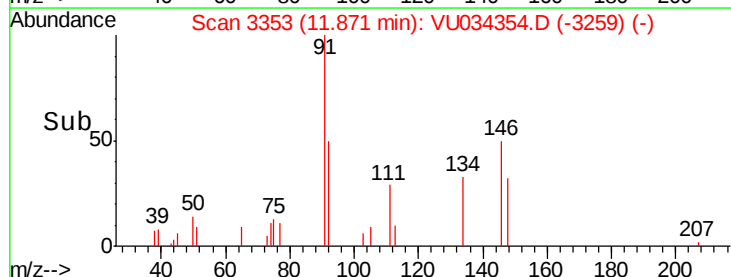
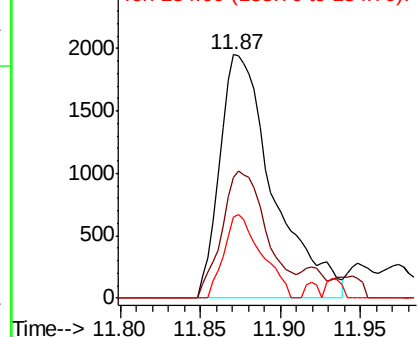


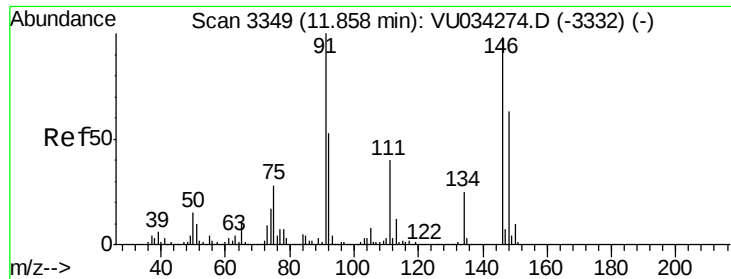
#89
 n-Butylbenzene
 Concen: 0.342 ug/l
 RT: 11.87 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VU034354.D
 Acq: 07 Sep 2019 01:04

Tgt Ion: 91 Resp: 4495
 Ion Ratio Lower Upper
 91 100
 92 43.5 26.5 79.4
 134 24.0 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.273 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

S13-ER-2019-1

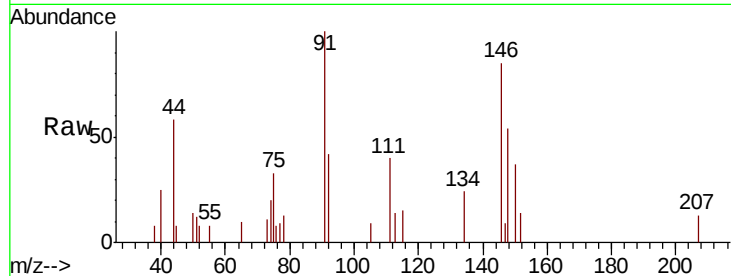
Tgt Ion:146 Resp: 2266

Ion Ratio Lower Upper

146 100

111 40.9 20.0 60.0

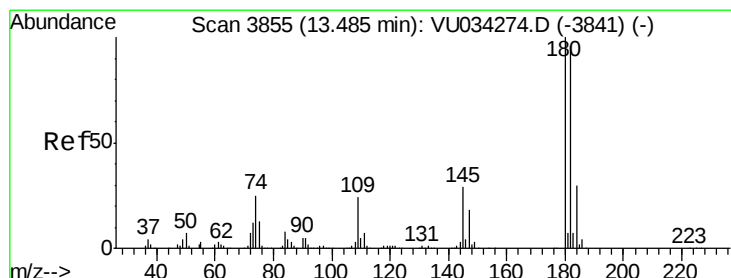
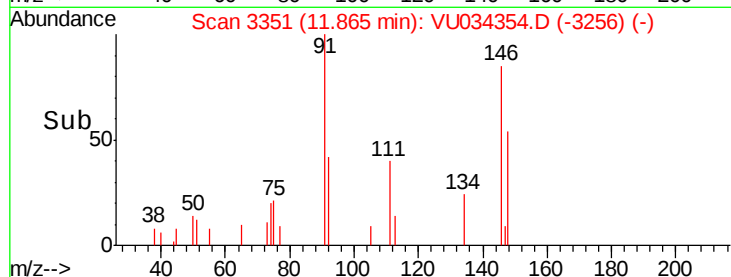
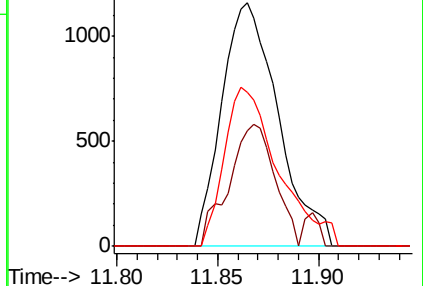
148 62.6 31.6 94.8



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: 3.991 ug/l

RT: 13.50 min Scan# 3861

Delta R.T. 0.02 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

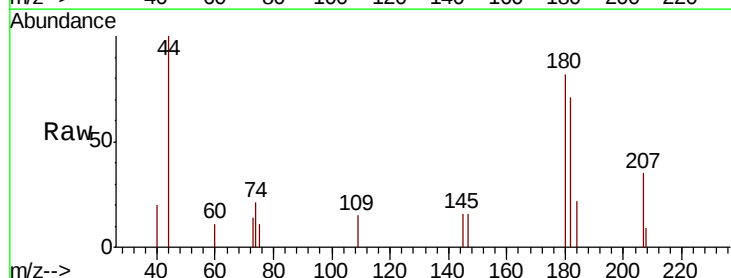
Tgt Ion:180 Resp: 3490

Ion Ratio Lower Upper

180 100

182 100.1 47.9 143.8

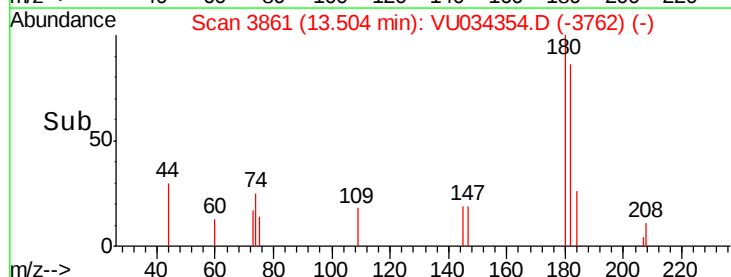
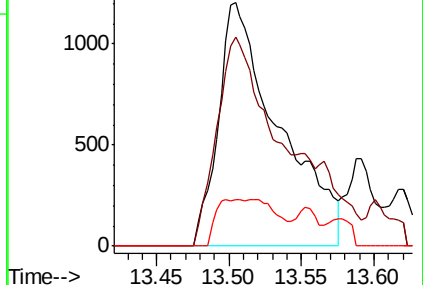
145 5.4 14.4 43.0#

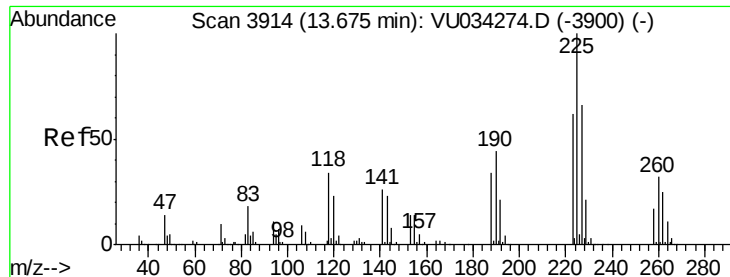


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.535 ug/l

RT: 13.68 min Scan# 3915

Delta R.T. 0.00 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

S13-ER-2019-1

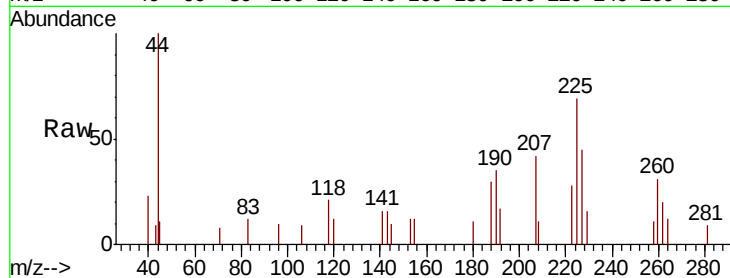
Tgt Ion:225 Resp: 1557

Ion Ratio Lower Upper

225 100

223 54.3 31.6 94.7

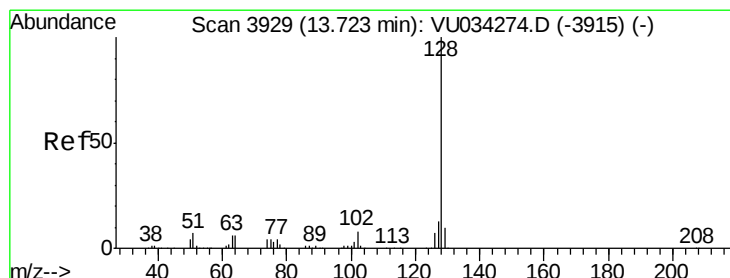
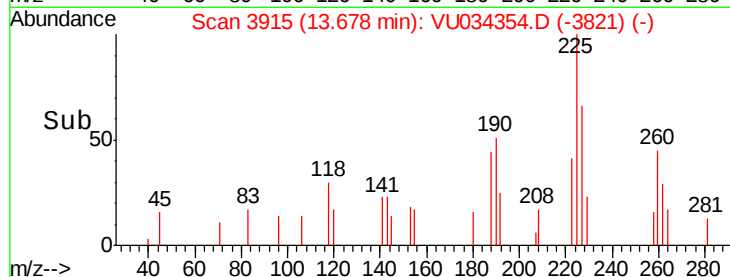
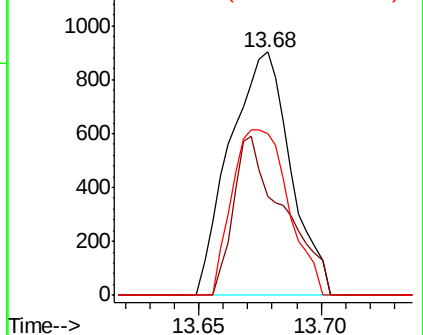
227 63.1 32.3 96.8



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: 4.940 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.02 min

Lab File: VU034354.D

Acq: 07 Sep 2019 01:04

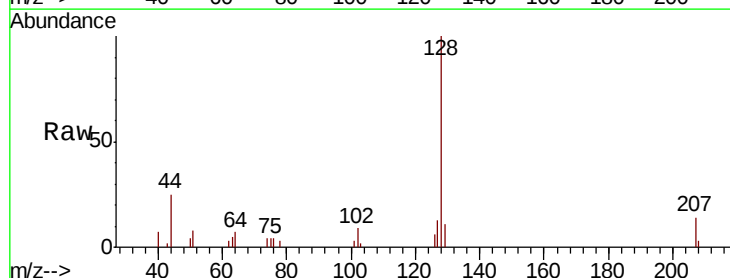
Tgt Ion:128 Resp: 17962

Ion Ratio Lower Upper

128 100

127 9.1 10.6 15.8#

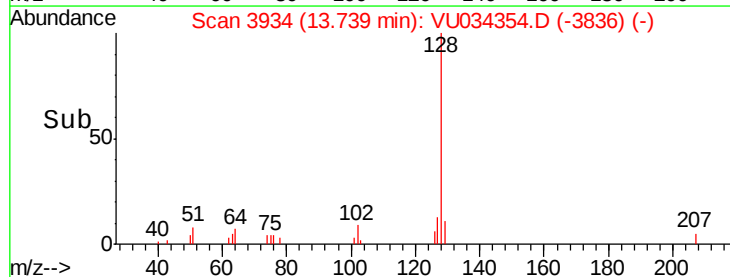
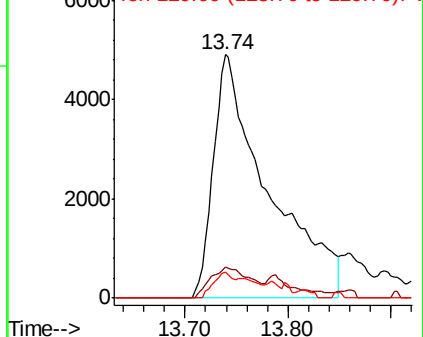
129 3.9 8.4 12.6#

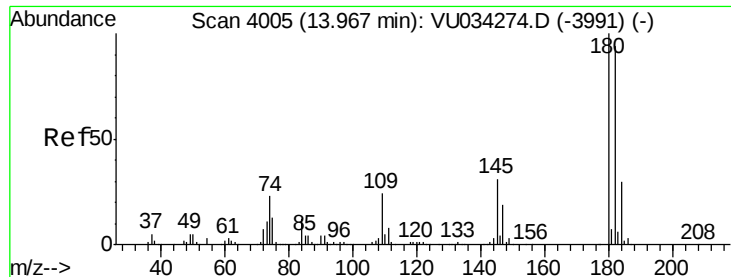


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.341 ug/l
 RT: 13.98 min Scan# 4008
 Delta R.T. 0.01 min
 Lab File: VU034354.D
 Acq: 07 Sep 2019 01:04

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-ER-2019-1

Tgt Ion	Ratio	Lower	Upper
180	100		
182	108.2	48.4	145.0
145	31.4	15.4	46.4

