

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090519\
 Data File : VU034244.D
 Acq On : 04 Sep 2019 09:55
 Operator : JC/SP
 Sample : VU0904MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBL01

Quant Time: Sep 05 03:35:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	423979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	668366	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	632553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	300695	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	264038	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	4.86	113	223486	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	7.55	98	847476	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	10.29	95	282861	41.89	ug/l	0.00
Spiked Amount			Recovery	=	83.78%	

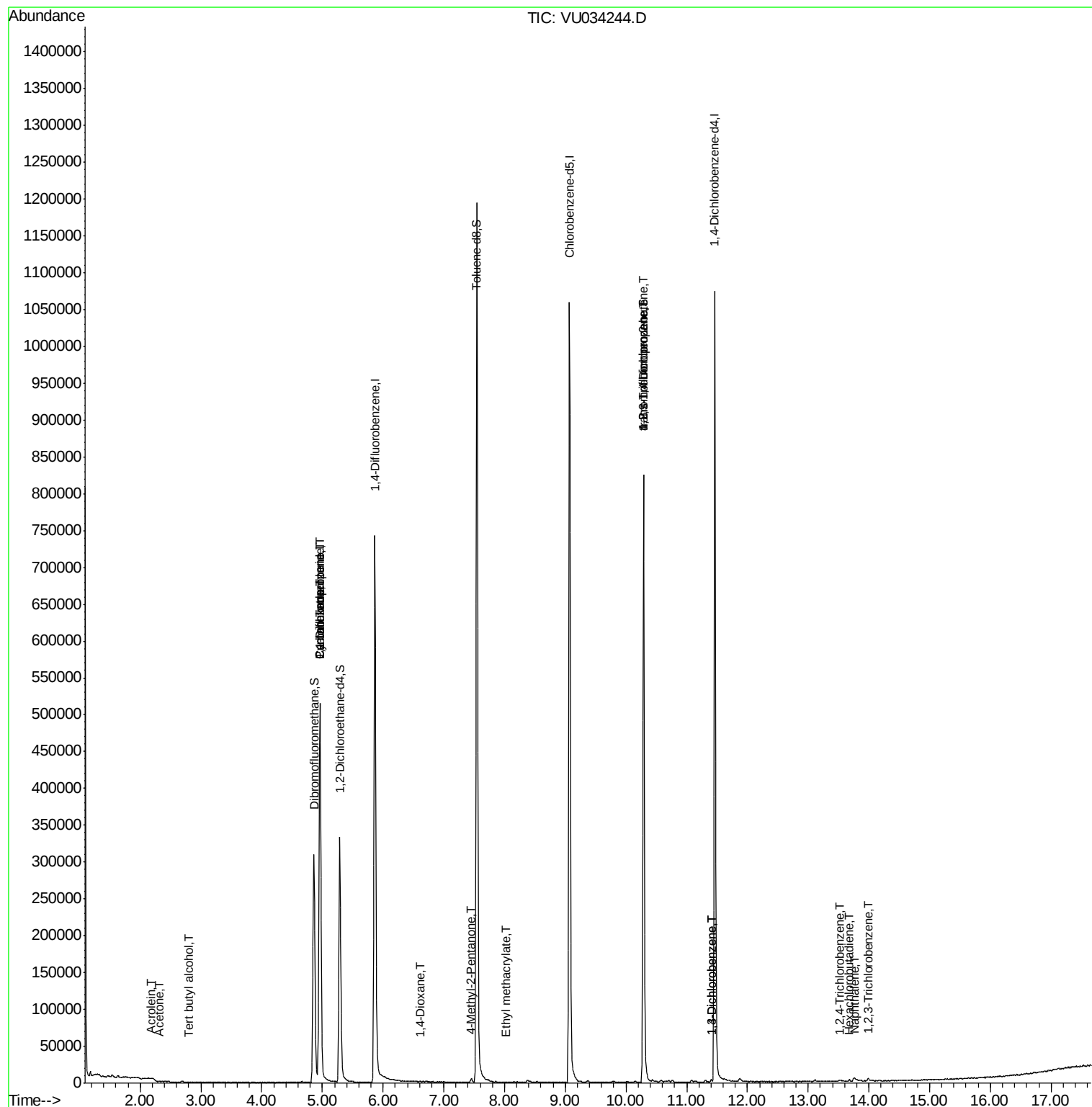
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2092	Below Cal		95
5) Bromomethane	1.63	94	1815	Below Cal	#	79
11) Tert butyl alcohol	2.81	59	256	0.204	ug/l #	73
13) Acrolein	2.19	56	375	0.712	ug/l	83
16) Acetone	2.32	43	1364	0.492	ug/l #	87
31) Cyclohexane	4.96	56	7448	0.918	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	30384	4.806	ug/l #	49
38) Carbon Tetrachloride	4.96	117	38578	6.322	ug/l #	16
49) 1,4-Dioxane	6.60	88	62	0.476	ug/l #	1
51) 4-Methyl-2-Pentanone	7.45	43	3659	0.492	ug/l	91
56) Ethyl methacrylate	8.03	69	21	0.974	ug/l #	1
76) 1,2,3-Trichloropropane	10.29	75	133957	19.766	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	133957	66.557	ug/l #	100
87) 1,3-Dichlorobenzene	11.40	146	1970	0.205	ug/l	85
88) 1,4-Dichlorobenzene	11.40	146	1970	0.203	ug/l	86
93) 1,2,4-Trichlorobenzene	13.51	180	834	1.238	ug/l	82
94) Hexachlorobutadiene	13.68	225	742	0.206	ug/l #	75
95) Naphthalene	13.76	128	7293	2.165	ug/l #	77
96) 1,2,3-Trichlorobenzene	13.99	180	1603	0.272	ug/l	92

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
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: VU034244.D

Acq: 04 Sep 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

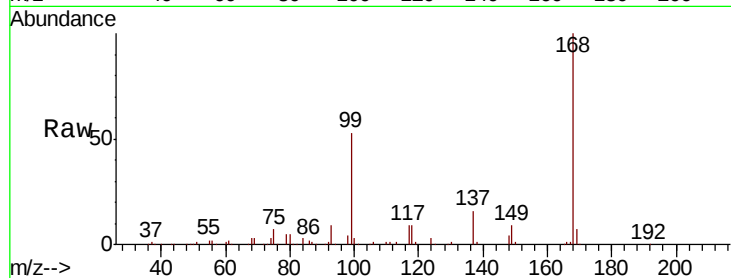
VU0904MBL01

Tgt Ion:168 Resp: 423979

Ion Ratio Lower Upper

168 100

99 52.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

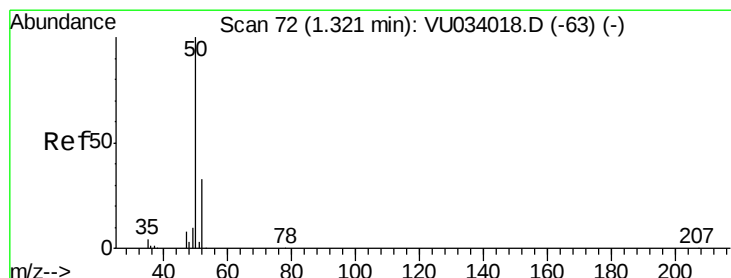
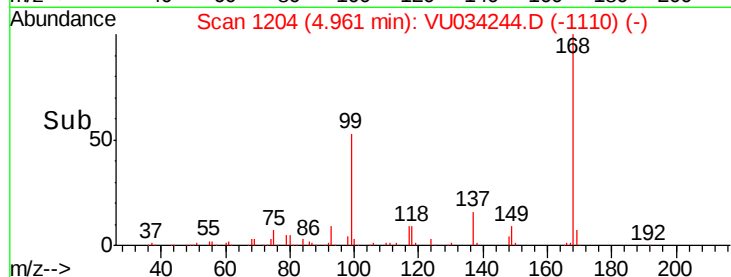
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034244.D

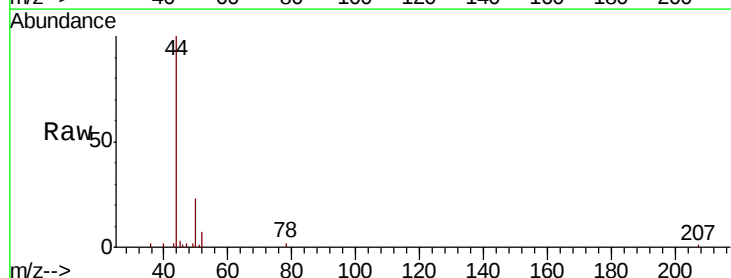
Acq: 04 Sep 2019 09:55

Tgt Ion: 50 Resp: 2092

Ion Ratio Lower Upper

50 100

52 29.8 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034018.D (-63) (-)

1.32

2000

1500

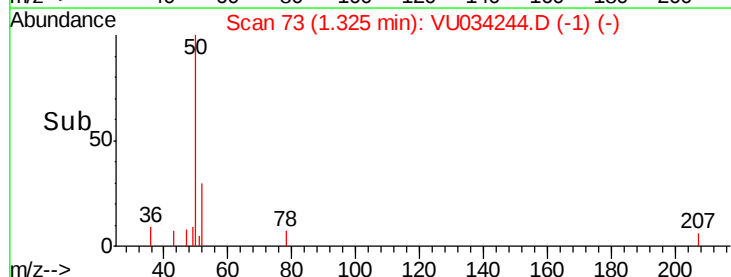
1000

500

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.04 min

Lab File: VU034244.D

Acq: 04 Sep 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

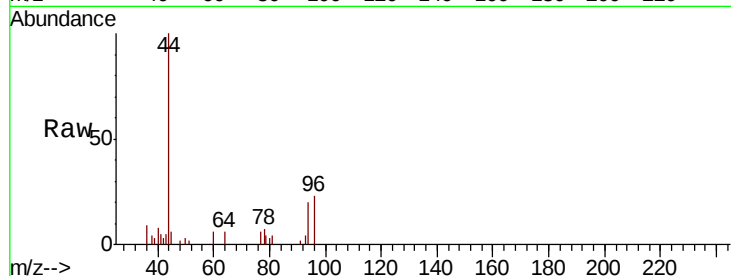
VU0904MBL01

Tgt Ion: 94 Resp: 1815

Ion Ratio Lower Upper

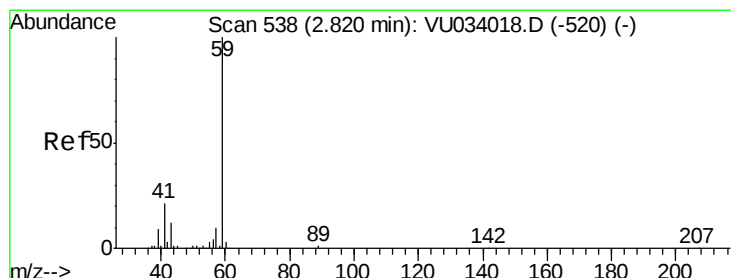
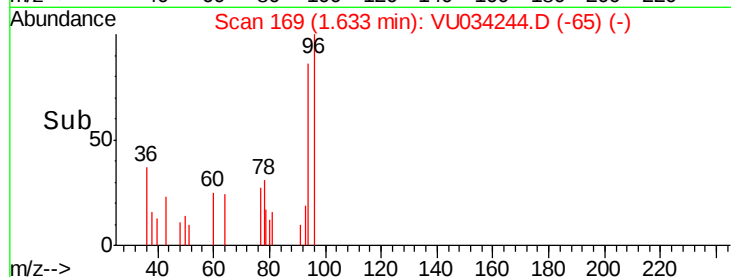
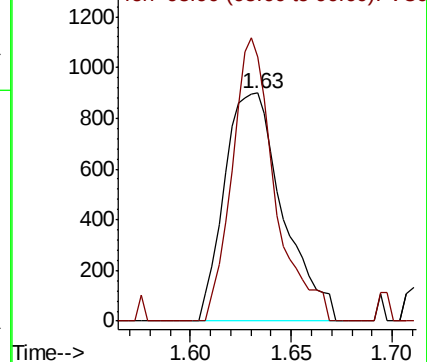
94 100

96 115.9 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#11

Tert butyl alcohol

Concen: 0.204 ug/l

RT: 2.81 min Scan# 534

Delta R.T. -0.01 min

Lab File: VU034244.D

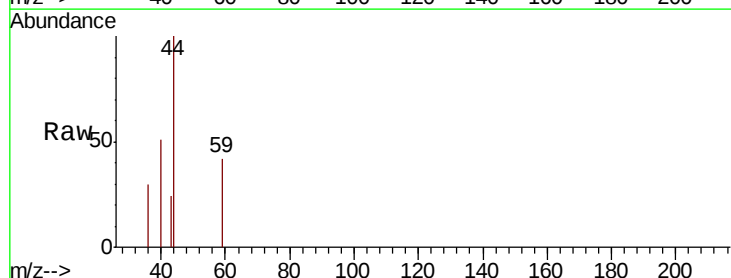
Acq: 04 Sep 2019 09:55

Tgt Ion: 59 Resp: 256

Ion Ratio Lower Upper

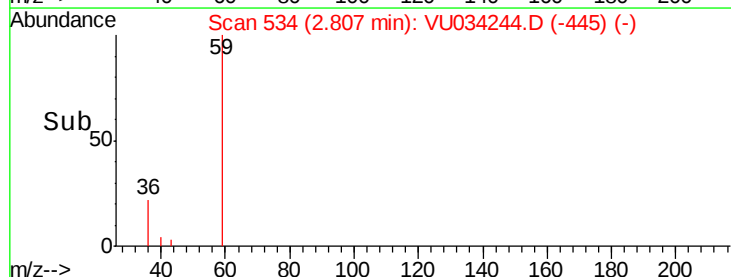
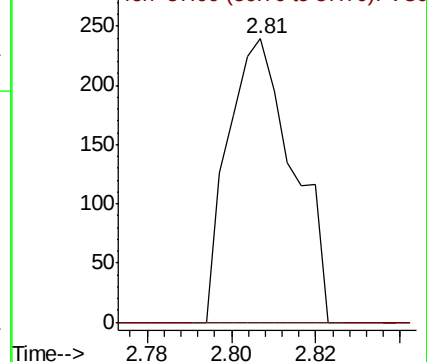
59 100

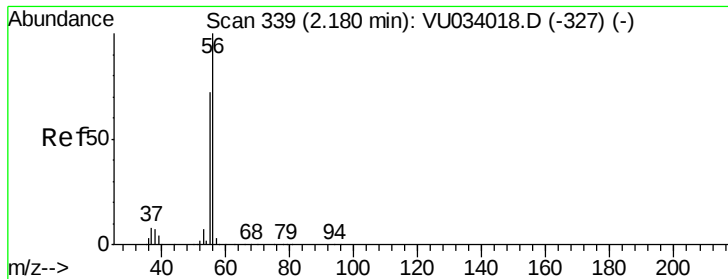
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.712 ug/l

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VU034244.D

Acq: 04 Sep 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

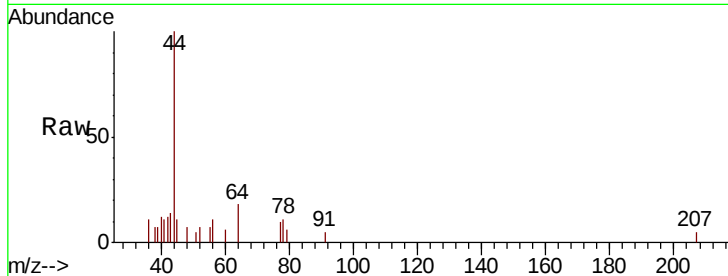
VU0904MBL01

Tgt Ion: 56 Resp: 375

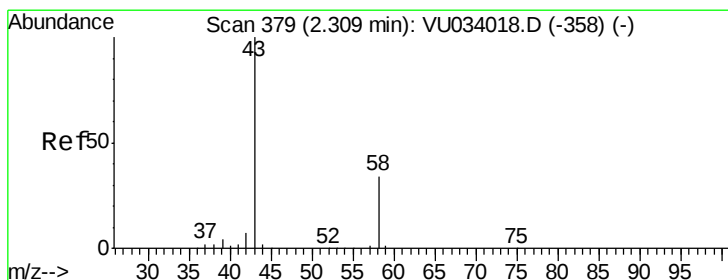
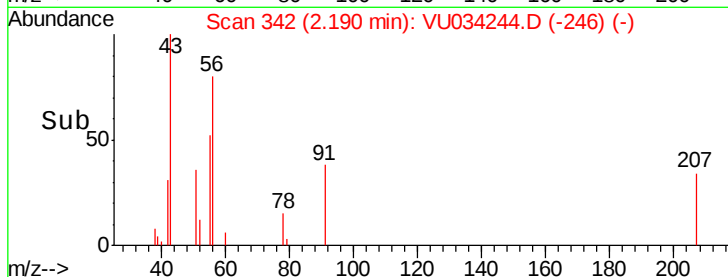
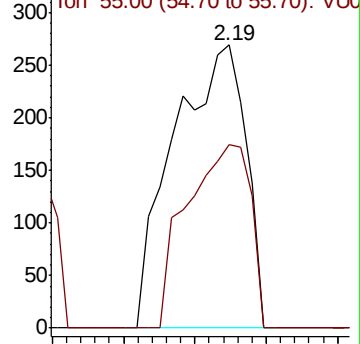
Ion Ratio Lower Upper

56 100

55 57.6 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU034244.D (-342) (-)



#16

Acetone

Concen: 0.492 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU034244.D

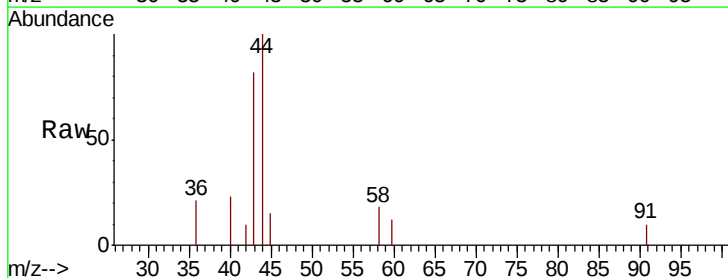
Acq: 04 Sep 2019 09:55

Tgt Ion: 43 Resp: 1364

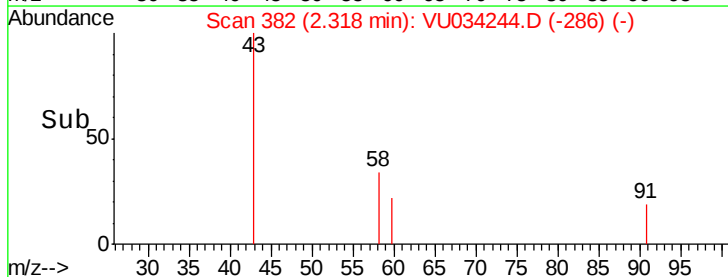
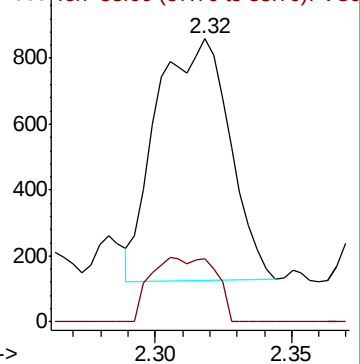
Ion Ratio Lower Upper

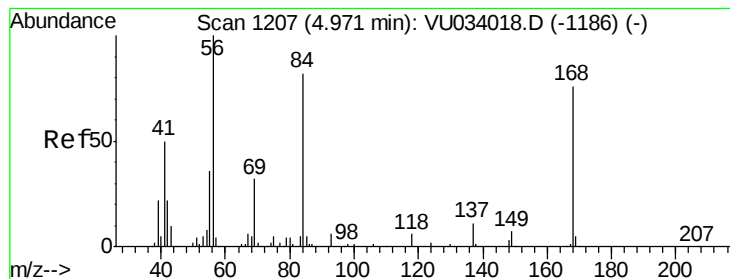
43 100

58 26.2 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VU034244.D (-382) (-)





#31

Cyclohexane

Concen: 0.918 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034244.D

Acq: 04 Sep 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBL01

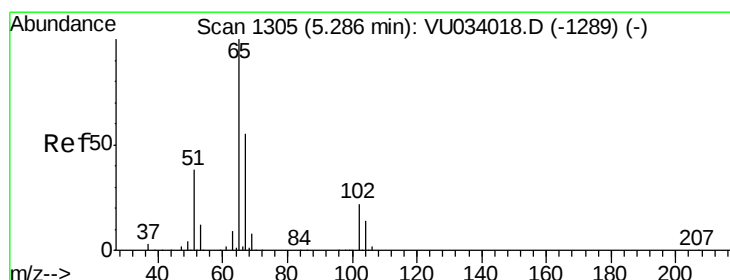
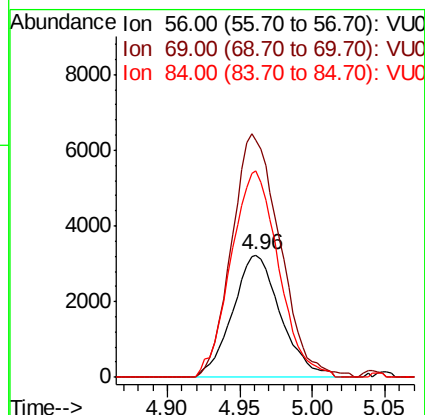
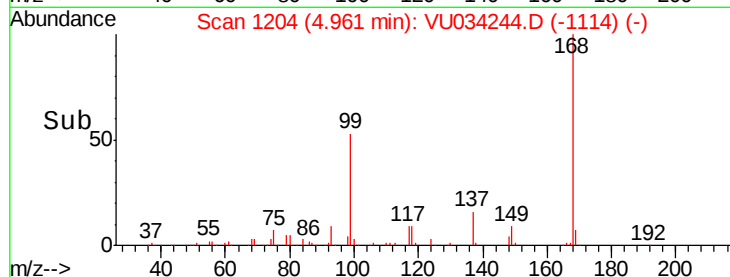
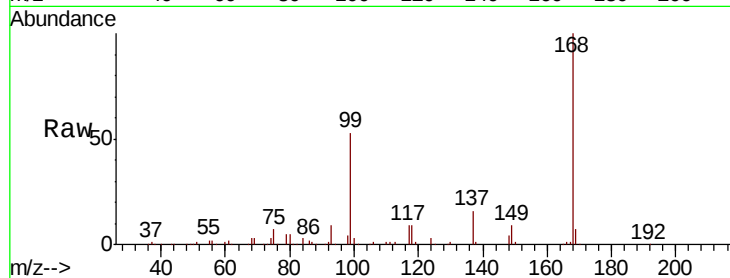
Tgt Ion: 56 Resp: 7448

Ion Ratio Lower Upper

56 100

69 194.3 25.4 38.0#

84 169.3 65.8 98.8#



#33

1,2-Dichloroethane-d4

Concen: 48.602 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU034244.D

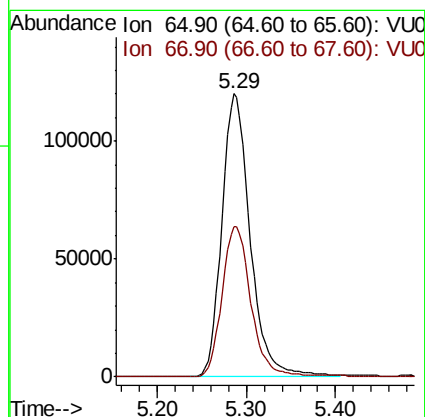
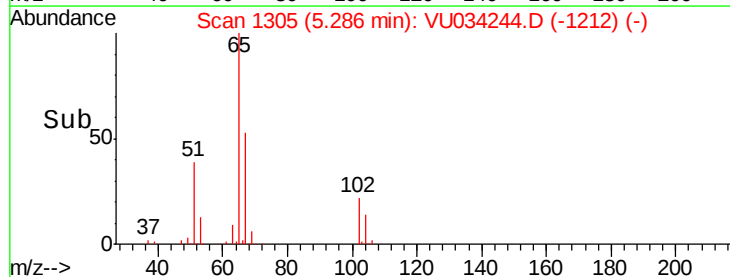
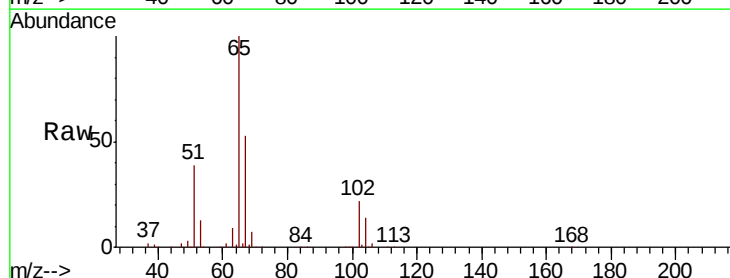
Acq: 04 Sep 2019 09:55

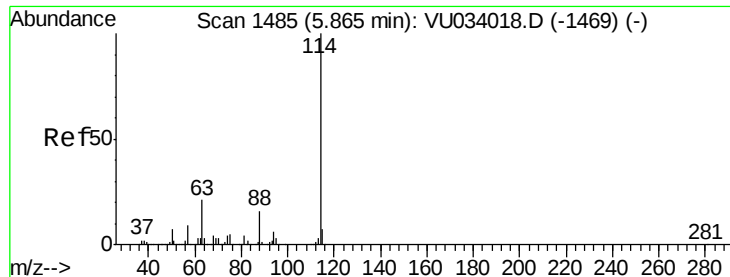
Tgt Ion: 65 Resp: 264038

Ion Ratio Lower Upper

65 100

67 53.9 0.0 110.6

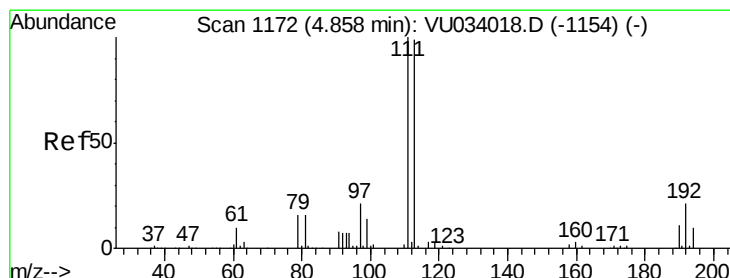
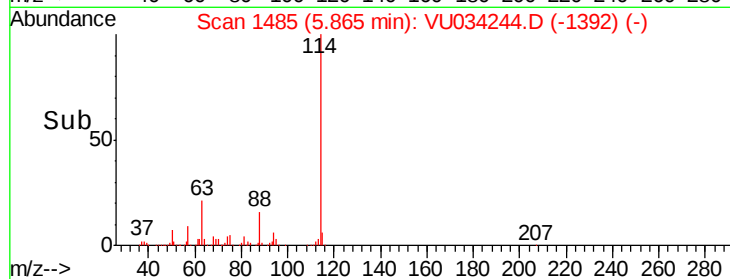
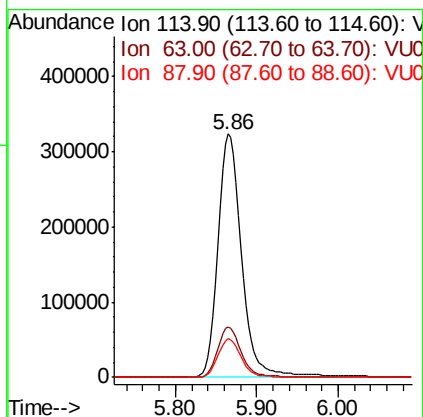
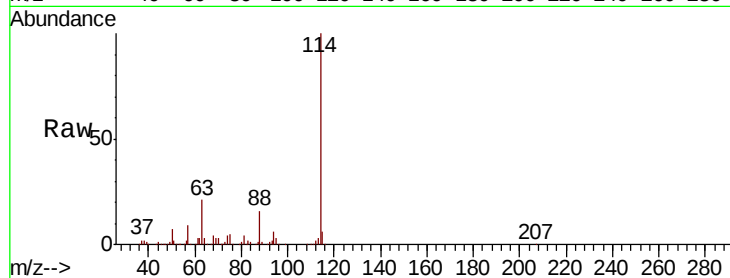




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.86 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VU034244.D
Acq: 04 Sep 2019 09:55

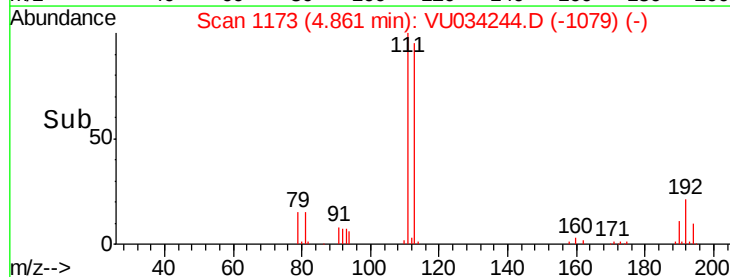
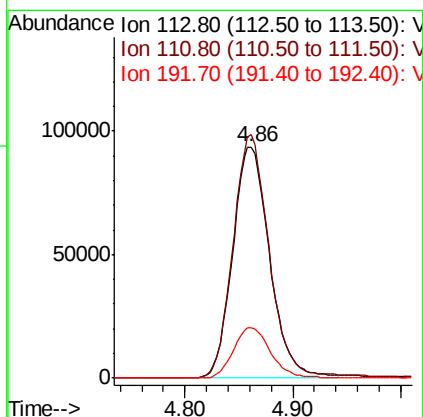
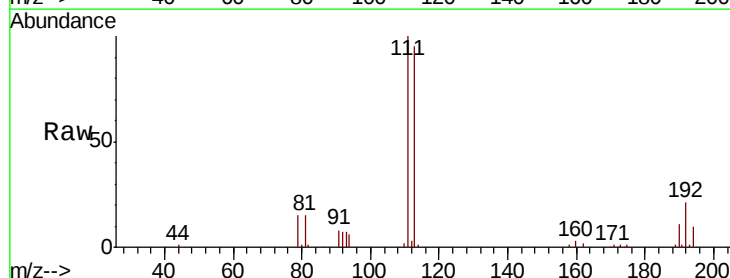
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBL01

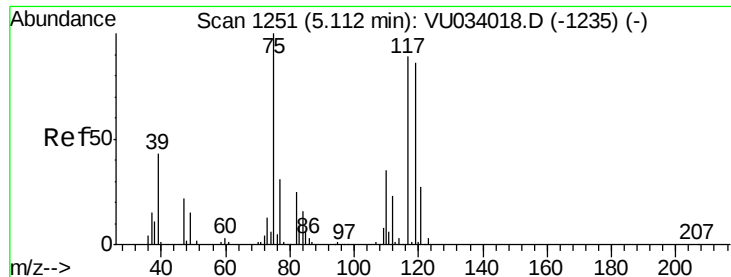
Tgt Ion:114 Resp: 668366
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.0
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 48.209 ug/l
RT: 4.86 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU034244.D
Acq: 04 Sep 2019 09:55

Tgt Ion:113 Resp: 223486
Ion Ratio Lower Upper
113 100
111 104.2 81.7 122.5
192 22.1 17.1 25.7

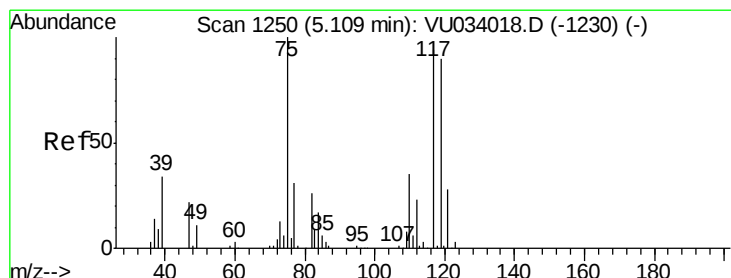
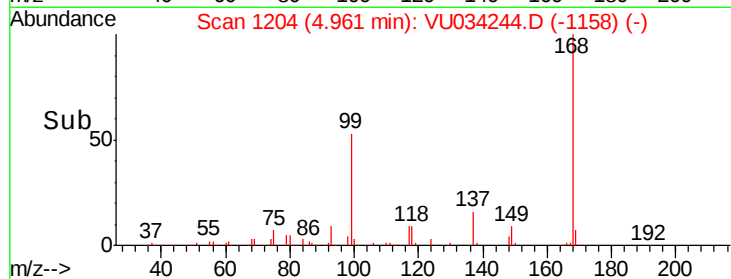
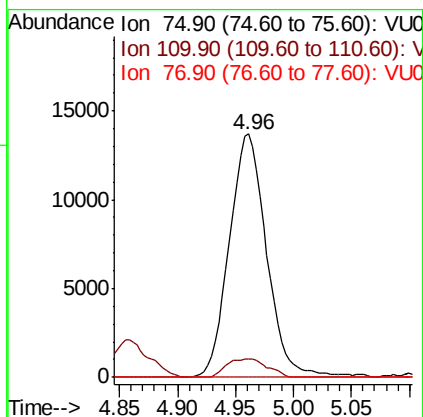
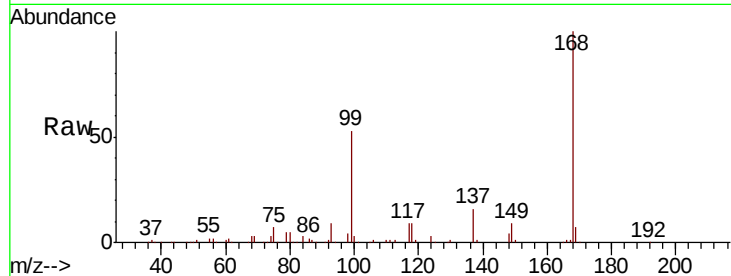




#36
 1,1-Dichloropropene
 Concen: 4.806 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034244.D
 Acq: 04 Sep 2019 09:55

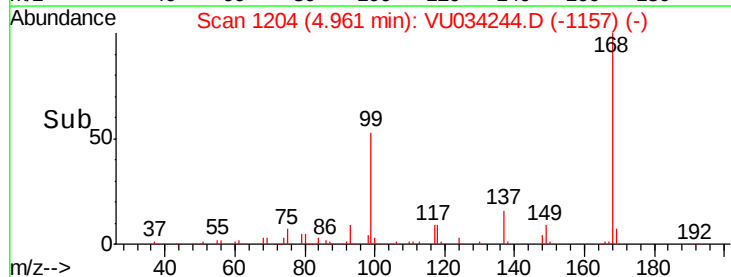
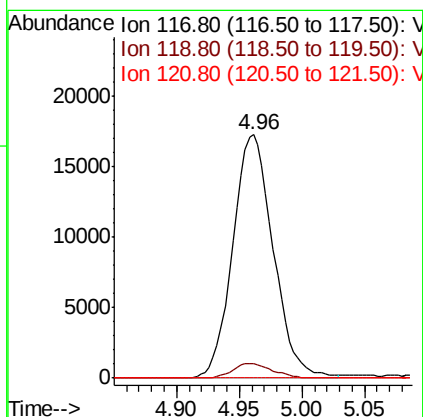
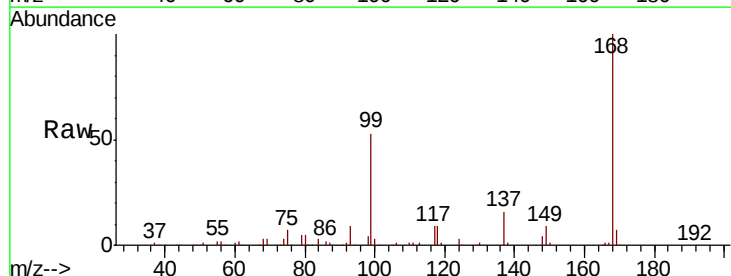
Instrument :
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 VU0904MBL01

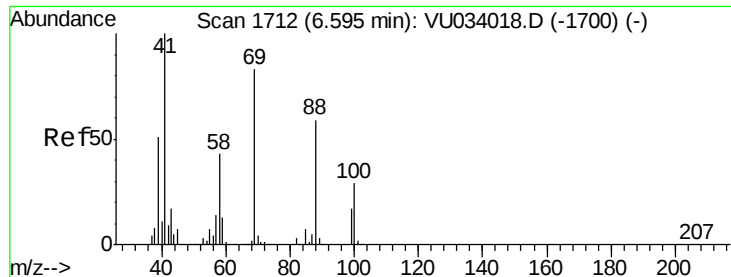
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.8	53.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.322 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034244.D
 Acq: 04 Sep 2019 09:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.0	115.4#
121	0.0	23.9	35.9#

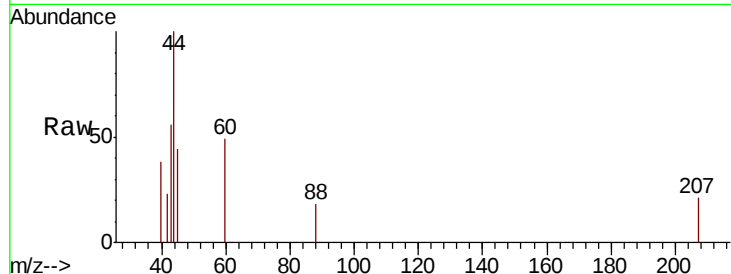




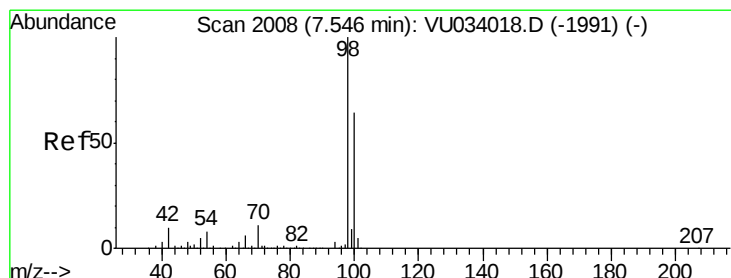
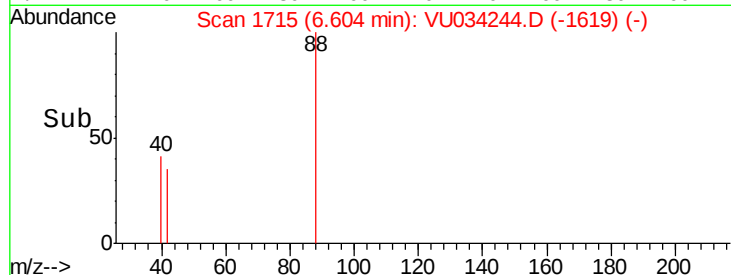
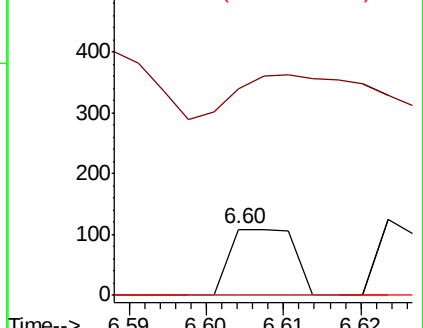
#49
1,4-Dioxane
Concen: 0.476 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VU034244.D
Acq: 04 Sep 2019 09:55

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBL01

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 382.3 24.8 37.2#
58 0.0 59.3 88.9#

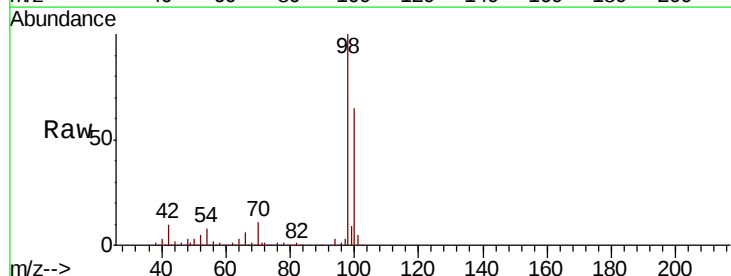


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

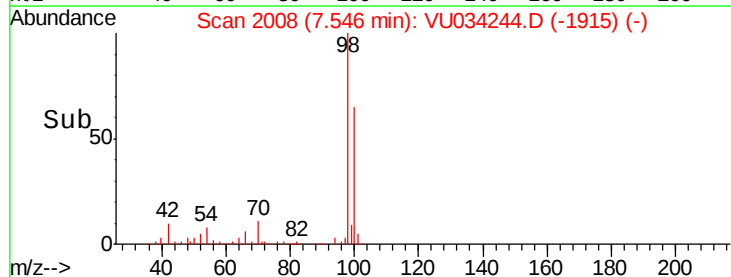
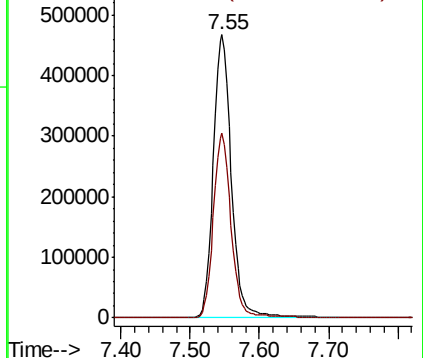


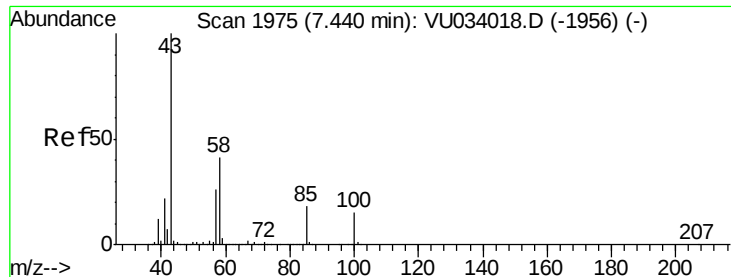
#50
Toluene-d8
Concen: 48.824 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034244.D
Acq: 04 Sep 2019 09:55

Tgt Ion: 98 Resp: 847476
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.492 ug/l

RT: 7.45 min Scan# 1979

Delta R.T. 0.01 min

Lab File: VU034244.D

Acq: 04 Sep 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

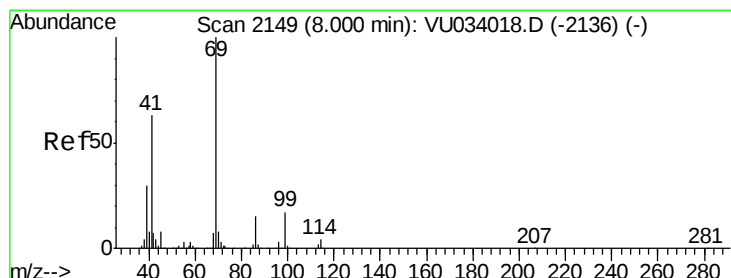
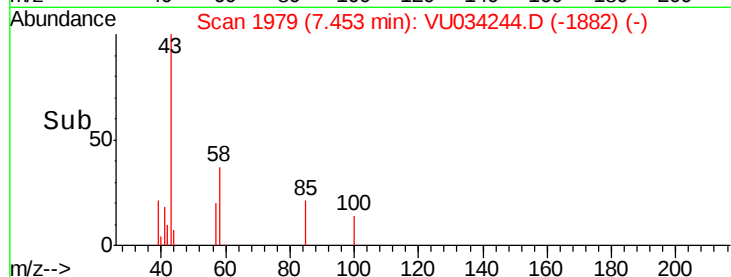
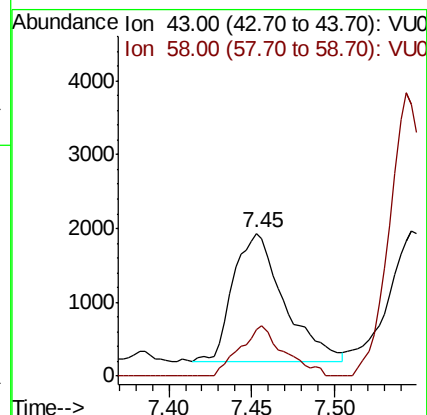
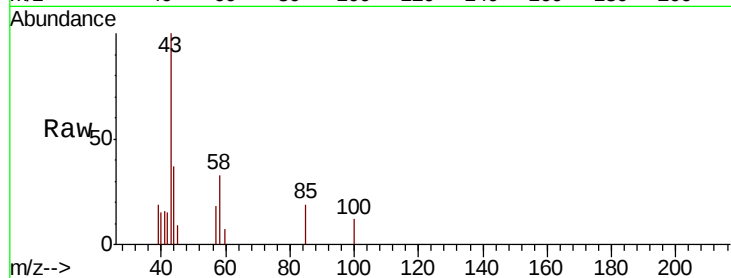
VU0904MBL01

Tgt Ion: 43 Resp: 3659

Ion Ratio Lower Upper

43 100

58 34.6 32.2 48.4



#56

Ethyl methacrylate

Concen: 0.974 ug/l

RT: 8.03 min Scan# 2159

Delta R.T. 0.03 min

Lab File: VU034244.D

Acq: 04 Sep 2019 09:55

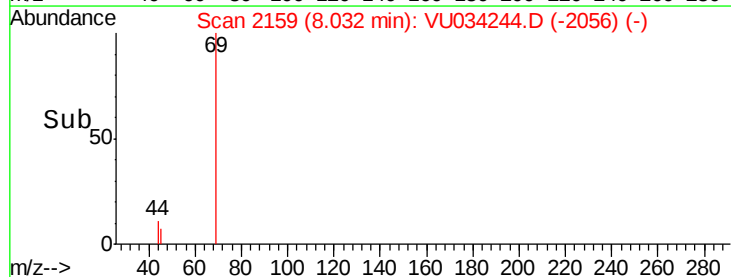
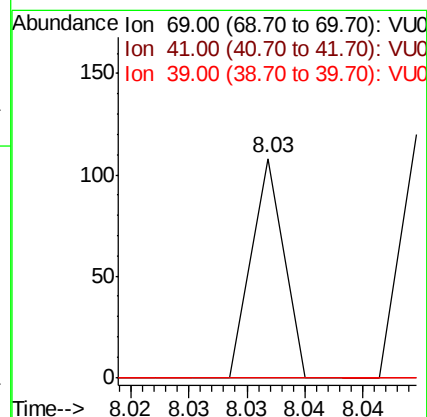
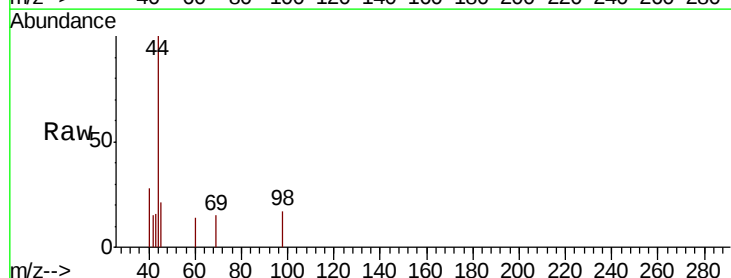
Tgt Ion: 69 Resp: 21

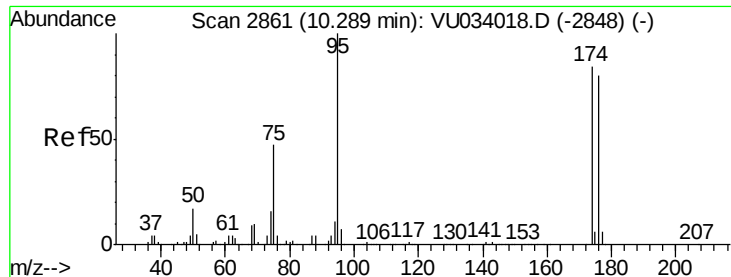
Ion Ratio Lower Upper

69 100

41 300.0 50.7 76.1#

39 0.0 24.2 36.2#

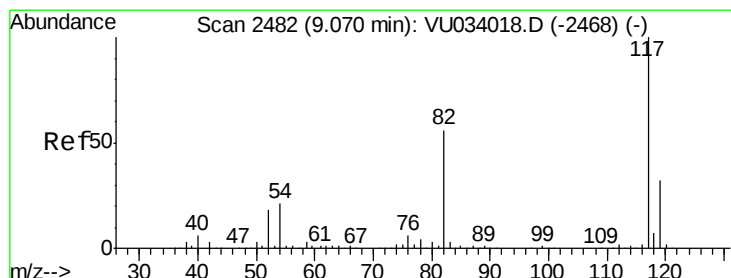
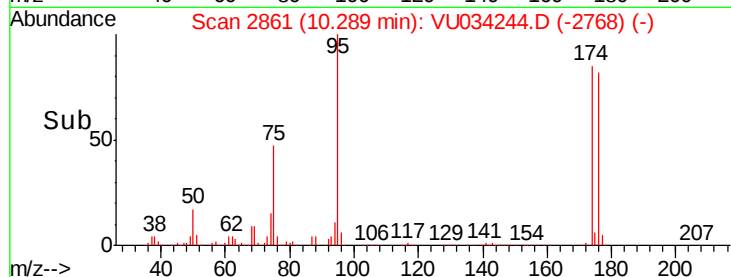
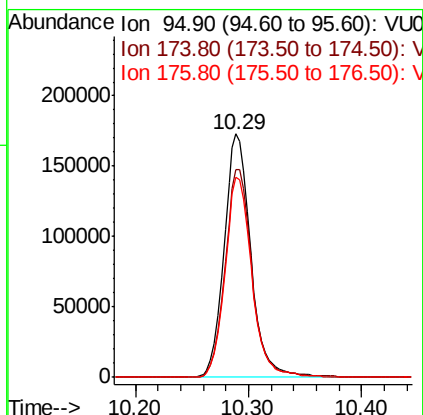
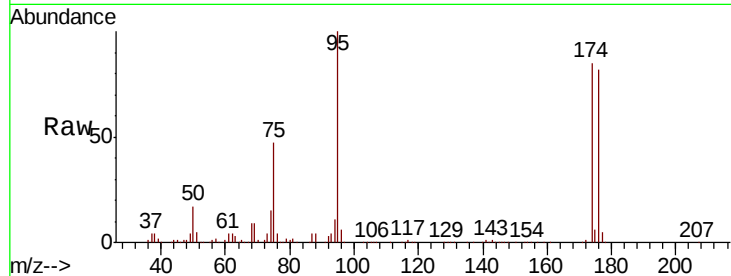




#62
4-Bromofluorobenzene
Concen: 41.893 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034244.D
Acq: 04 Sep 2019 09:55

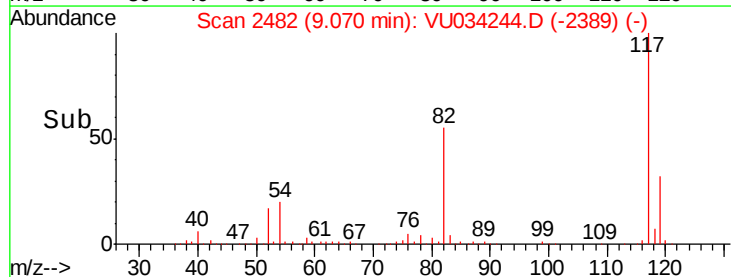
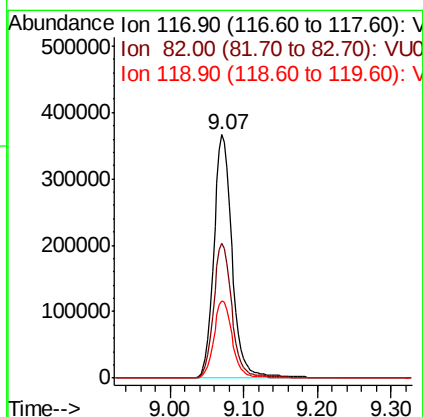
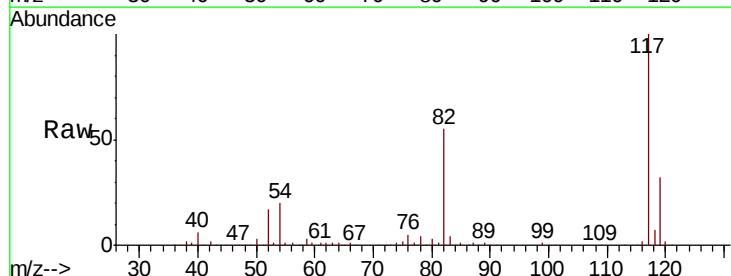
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBL01

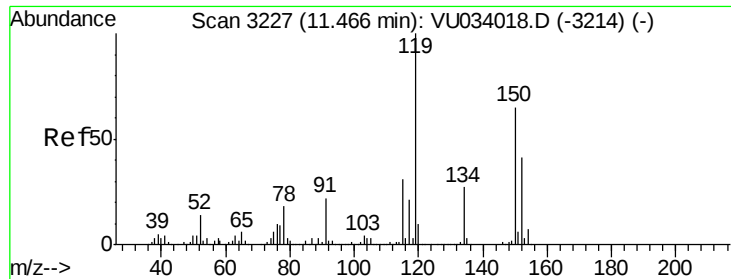
Tgt Ion: 95 Resp: 282861
Ion Ratio Lower Upper
95 100
174 87.0 0.0 168.8
176 82.8 0.0 161.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034244.D
Acq: 04 Sep 2019 09:55

Tgt Ion: 117 Resp: 632553
Ion Ratio Lower Upper
117 100
82 55.4 45.1 67.7
119 31.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU034244.D

Acq: 04 Sep 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBL01

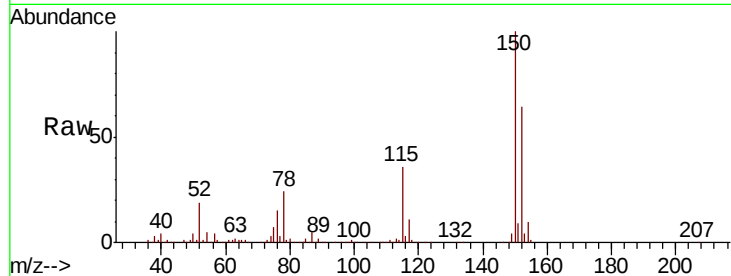
Tgt Ion:152 Resp: 300695

Ion Ratio Lower Upper

152 100

115 57.3 41.1 123.3

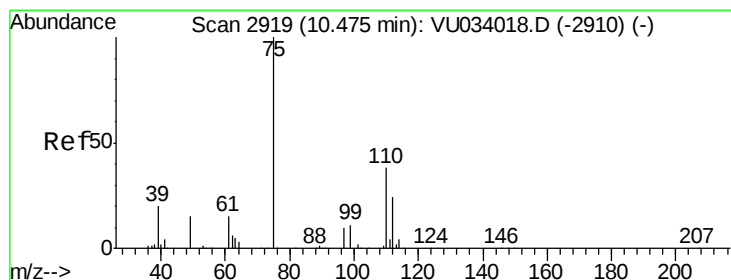
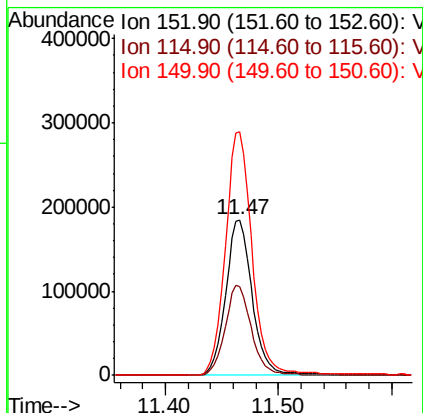
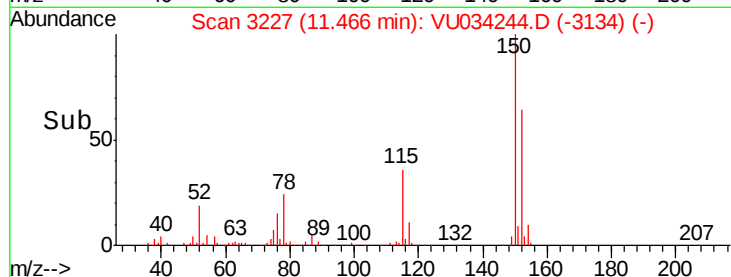
150 157.6 0.0 348.8



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



#76

1,2,3-Trichloropropane

Concen: 19.766 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034244.D

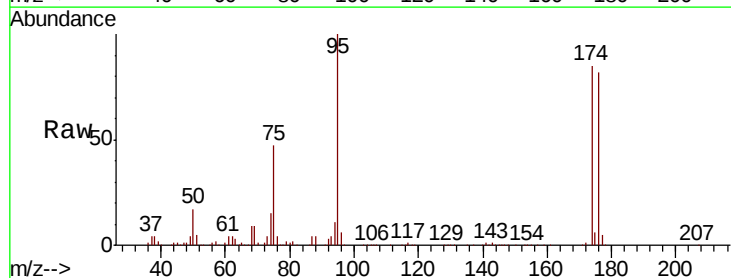
Acq: 04 Sep 2019 09:55

Tgt Ion: 75 Resp: 133957

Ion Ratio Lower Upper

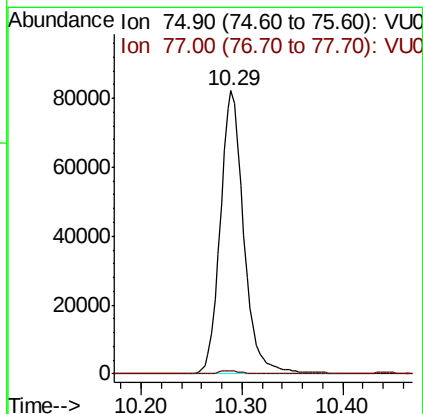
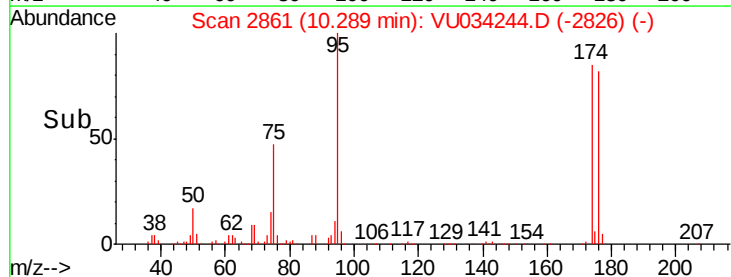
75 100

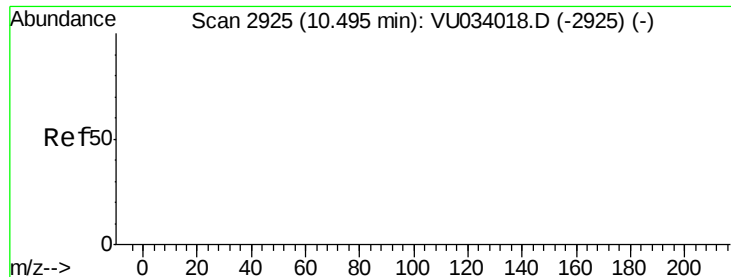
77 1.1 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.557 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034244.D

Acq: 04 Sep 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBL01

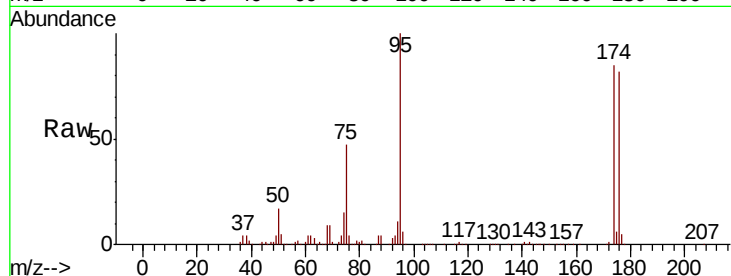
Tgt Ion: 75 Resp: 133957

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

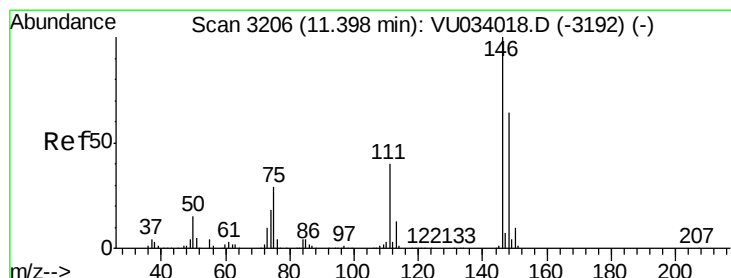
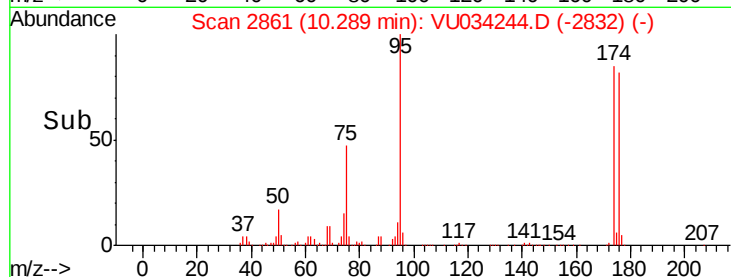
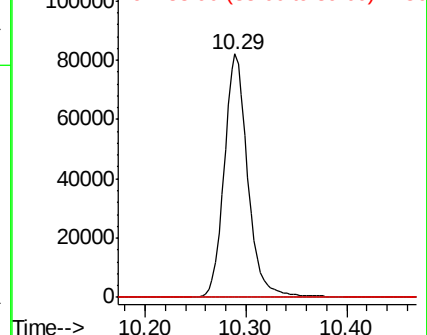
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU034018.D (-2925) (-)

Ion 53.00 (52.70 to 53.70): VU034018.D (-2925) (-)

Ion 88.90 (88.60 to 89.60): VU034018.D (-2925) (-)



#87

1,3-Dichlorobenzene

Concen: 0.205 ug/l

RT: 11.40 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VU034244.D

Acq: 04 Sep 2019 09:55

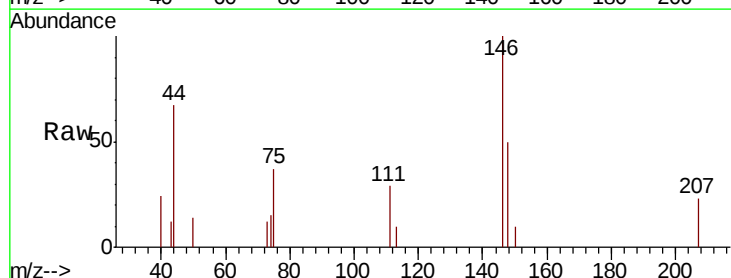
Tgt Ion: 146 Resp: 1970

Ion Ratio Lower Upper

146 100

111 27.7 19.9 59.6

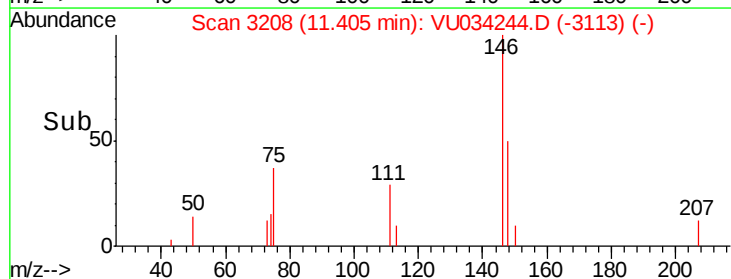
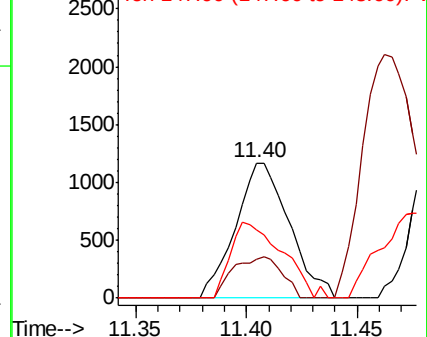
148 54.2 31.9 95.5

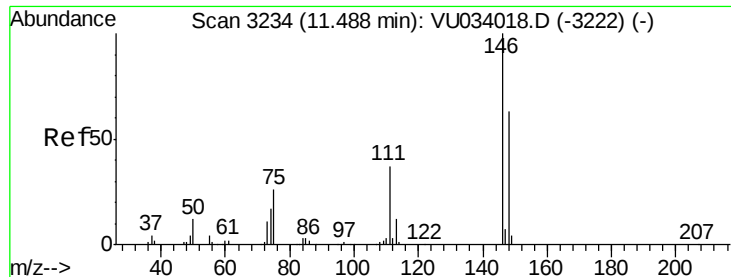


Abundance Ion 145.90 (145.60 to 146.60): VU034018.D (-3192) (-)

Ion 110.90 (110.60 to 111.60): VU034018.D (-3192) (-)

Ion 147.90 (147.60 to 148.60): VU034018.D (-3192) (-)

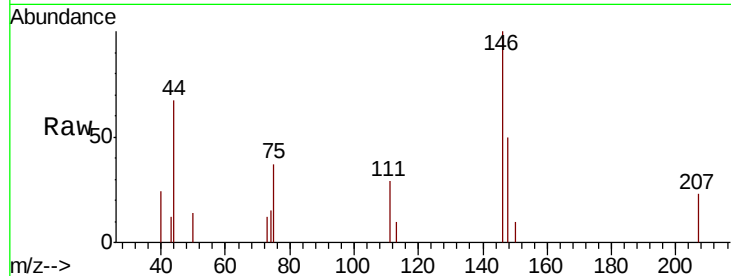




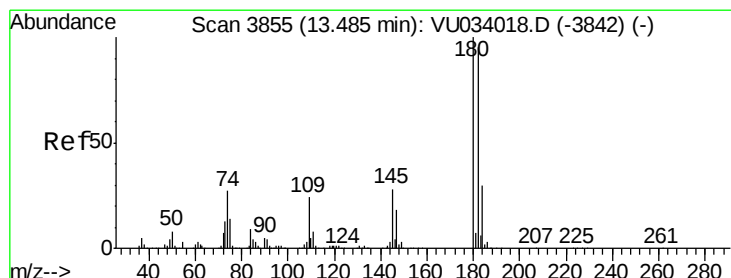
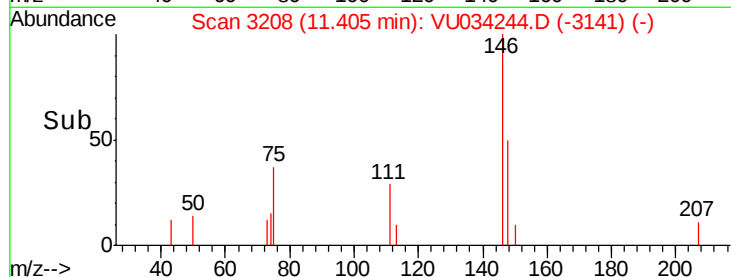
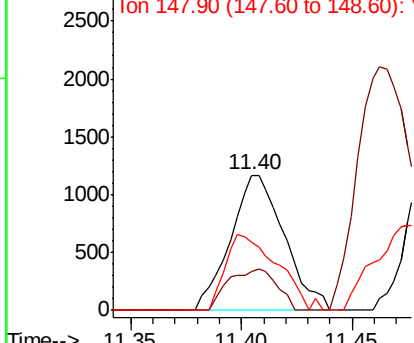
#88
 1,4-Dichlorobenzene
 Concen: 0.203 ug/l
 RT: 11.40 min Scan# 3208
 Delta R.T. -0.08 min
 Lab File: VU034244.D
 Acq: 04 Sep 2019 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBL01

Tgt Ion:146 Resp: 1970
 Ion Ratio Lower Upper
 146 100
 111 27.7 19.2 57.6
 148 54.2 31.9 95.9

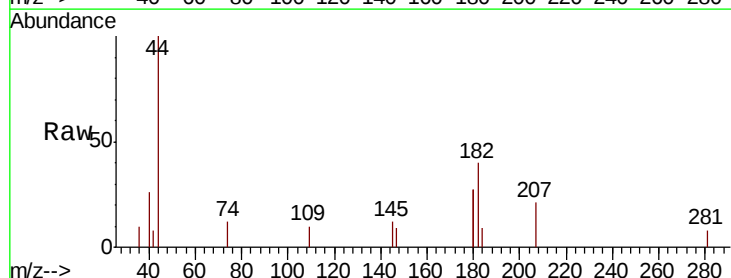


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

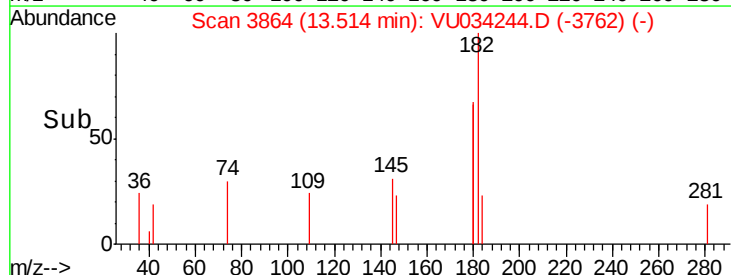
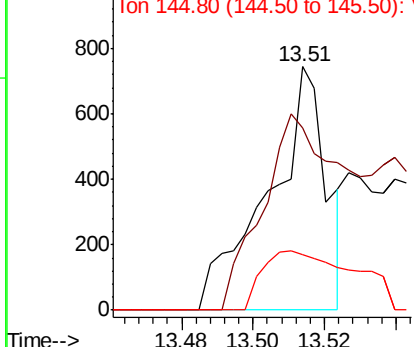


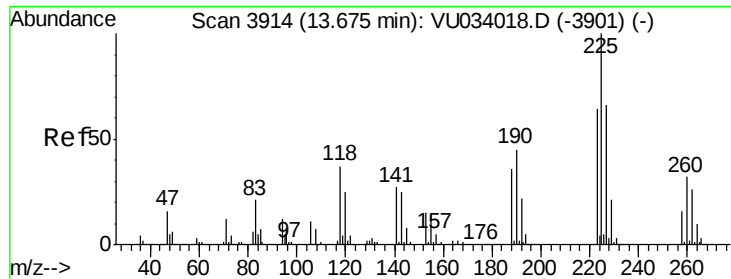
#93
 1,2,4-Trichlorobenzene
 Concen: 1.238 ug/l
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.03 min
 Lab File: VU034244.D
 Acq: 04 Sep 2019 09:55

Tgt Ion:180 Resp: 834
 Ion Ratio Lower Upper
 180 100
 182 111.8 47.4 142.2
 145 38.7 14.1 42.3



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: 0.206 ug/l

RT: 13.68 min Scan# 3916

Delta R.T. 0.01 min

Lab File: VU034244.D

Acq: 04 Sep 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBL01

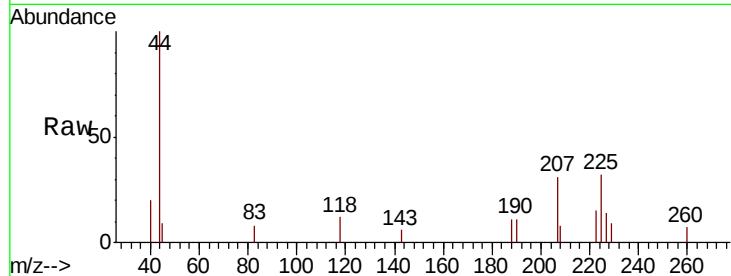
Tgt Ion: 225 Resp: 742

Ion Ratio Lower Upper

225 100

223 28.2 31.8 95.3#

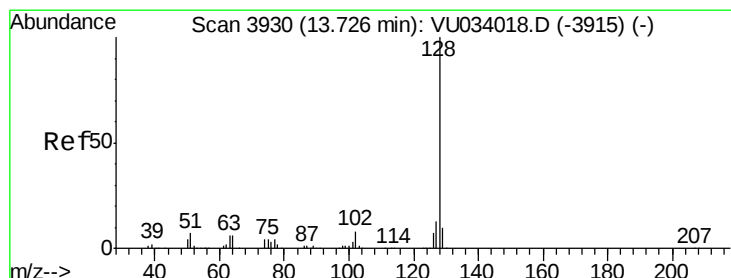
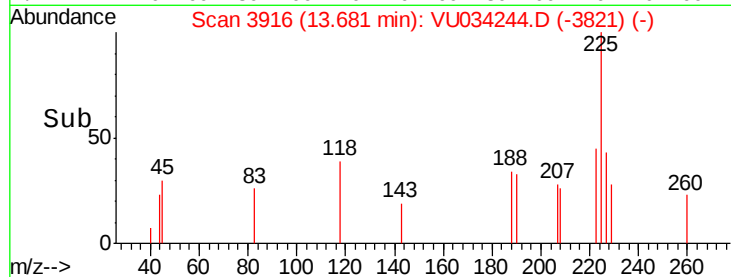
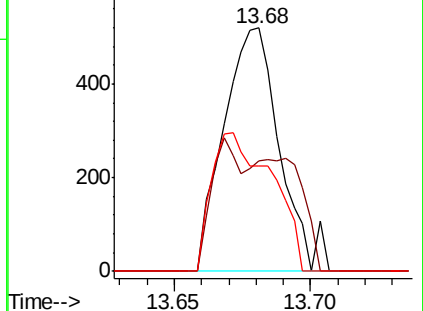
227 61.2 32.6 97.8



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: 2.165 ug/l

RT: 13.76 min Scan# 3940

Delta R.T. 0.03 min

Lab File: VU034244.D

Acq: 04 Sep 2019 09:55

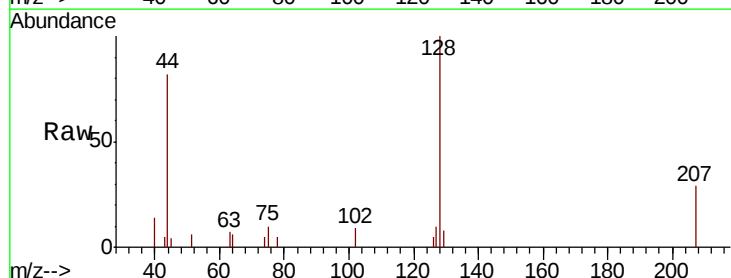
Tgt Ion: 128 Resp: 7293

Ion Ratio Lower Upper

128 100

127 5.0 10.2 15.4#

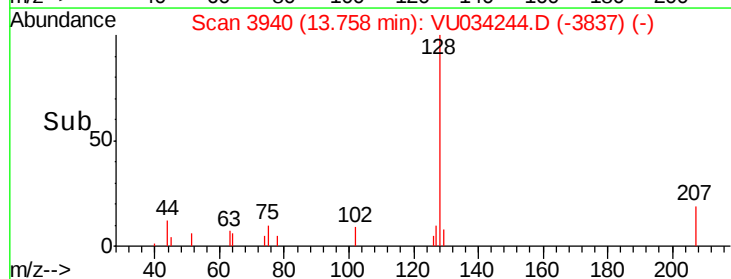
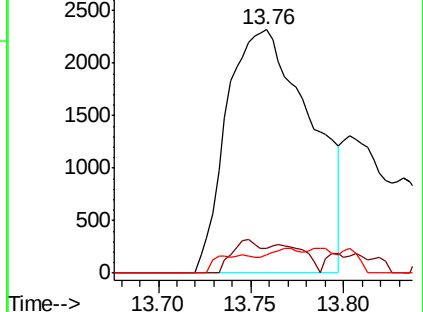
129 0.0 8.4 12.6#

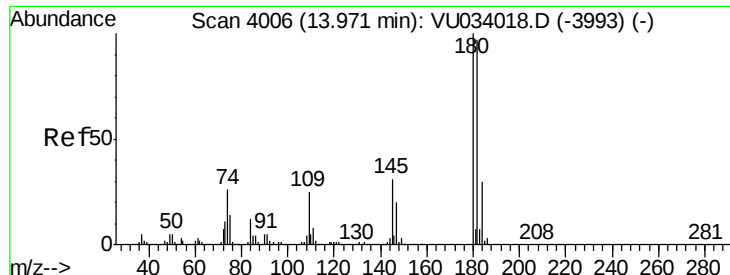


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.272 ug/l
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.02 min
 Lab File: VU034244.D
 Acq: 04 Sep 2019 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.0	48.2	144.6
145	37.9	15.5	46.5

