

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090519\
 Data File : VU034258.D
 Acq On : 04 Sep 2019 15:21
 Operator : JC/SP
 Sample : K4547-28
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-F-(0)

Quant Time: Sep 05 03:39:11 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	425020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	682598	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	683664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	335447	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	263420	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.74%		
35) Dibromofluoromethane	4.86	113	226228	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.56%		
50) Toluene-d8	7.55	98	895335	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.02%		
62) 4-Bromofluorobenzene	10.29	95	309537	44.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.78%		

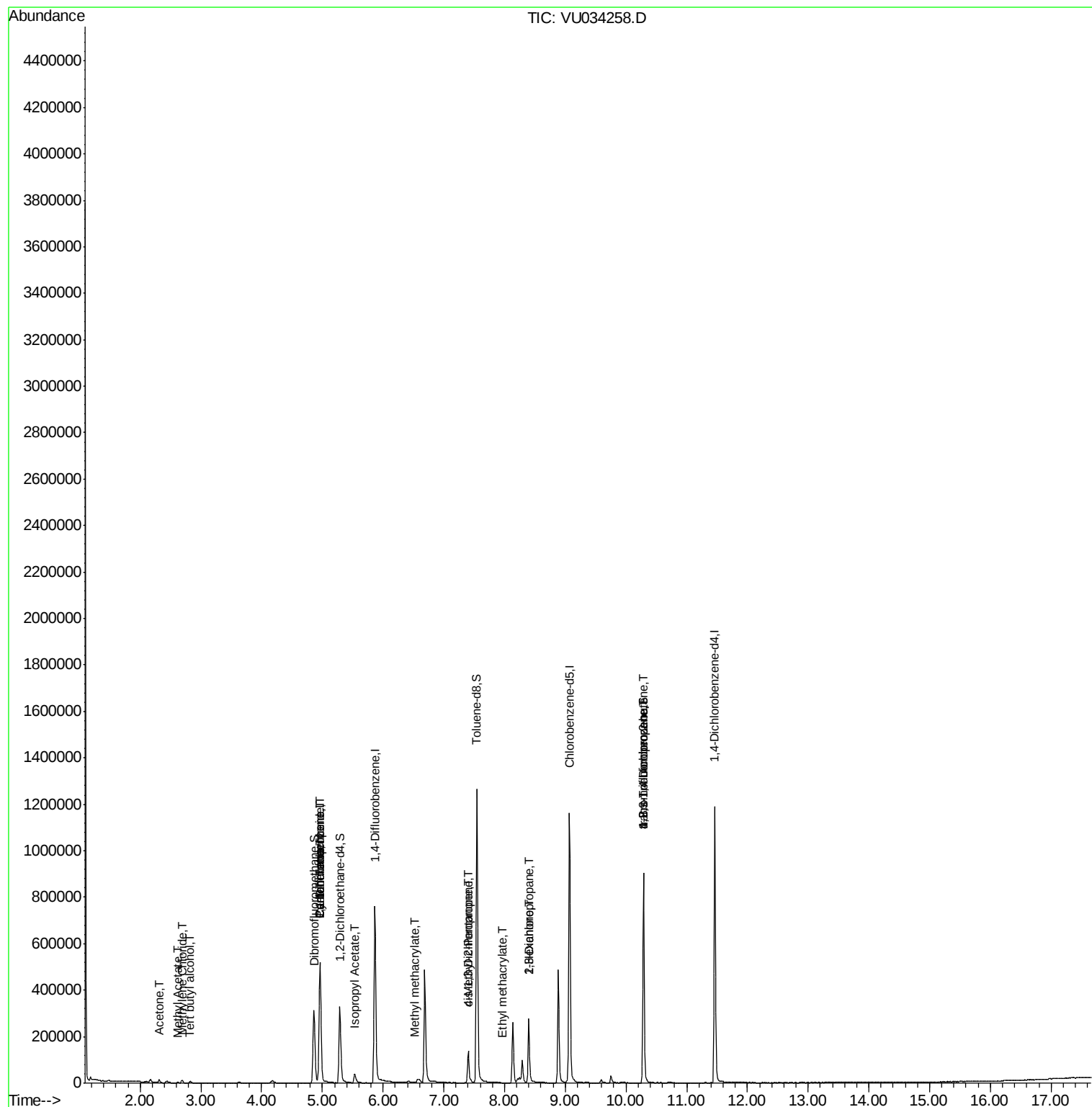
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	421	Below Cal	#	86
5) Bromomethane	1.63	94	840	Below Cal	#	72
11) Tert butyl alcohol	2.82	59	4038	3.215	ug/l #	73
16) Acetone	2.31	43	13349	4.804	ug/l	99
18) Methyl Acetate	2.61	43	2858	0.398	ug/l #	84
20) Methylene Chloride	2.69	84	5087	0.967	ug/l	98
31) Cyclohexane	4.96	56	7540	0.927	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	29924	4.635	ug/l #	49
38) Carbon Tetrachloride	4.96	117	39277	6.302	ug/l #	17
43) Isopropyl Acetate	5.53	43	48867	4.443	ug/l	99
48) Methyl methacrylate	6.53	41	3784	0.713	ug/l #	14
51) 4-Methyl-2-Pentanone	7.40	43	48477	6.382	ug/l #	47
54) cis-1,3-Dichloropropene	7.40	75	26593	3.236	ug/l #	62
56) Ethyl methacrylate	7.96	69	145	0.988	ug/l #	27
57) 1,3-Dichloropropane	8.40	76	2799	0.324	ug/l #	42
59) 2-Hexanone	8.40	43	37600	6.557	ug/l #	56
76) 1,2,3-Trichloropropane	10.29	75	147126	19.460	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	147126	65.527	ug/l #	100

(#) = 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: VU034258.D

Acq: 04 Sep 2019 15:21

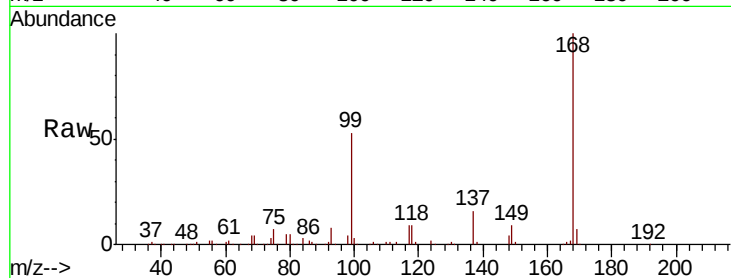
Instrument :
MSVOA_U
ClientSampleId :
T3-S-F(0)

Tgt Ion: 168 Resp: 425020

Ion Ratio Lower Upper

168 100

99 53.4 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

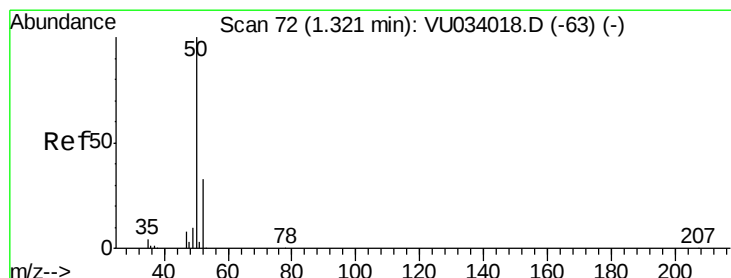
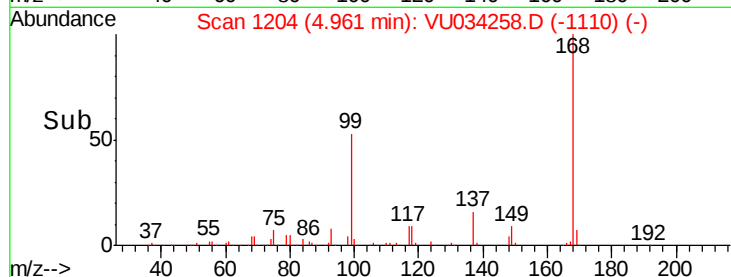
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034258.D

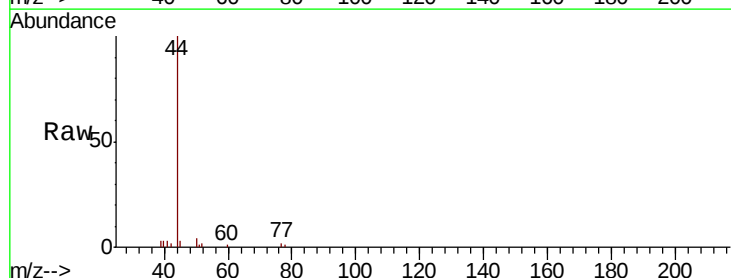
Acq: 04 Sep 2019 15:21

Tgt Ion: 50 Resp: 421

Ion Ratio Lower Upper

50 100

52 40.8 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

400

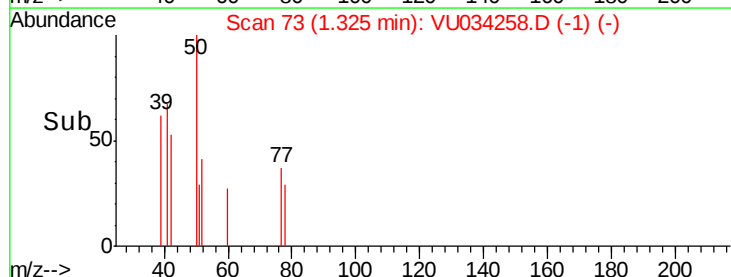
300

200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.03 min

Lab File: VU034258.D

Acq: 04 Sep 2019 15:21

Instrument :

MSVOA_U

ClientSampleId :

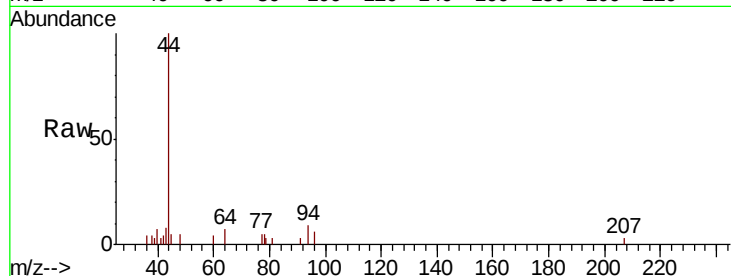
T3-S-F(0)

Tgt Ion: 94 Resp: 840

Ion Ratio Lower Upper

94 100

96 68.4 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

400

300

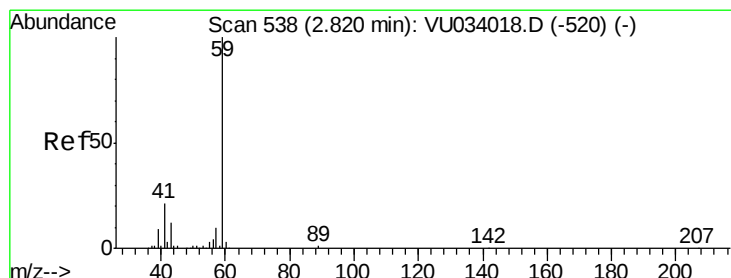
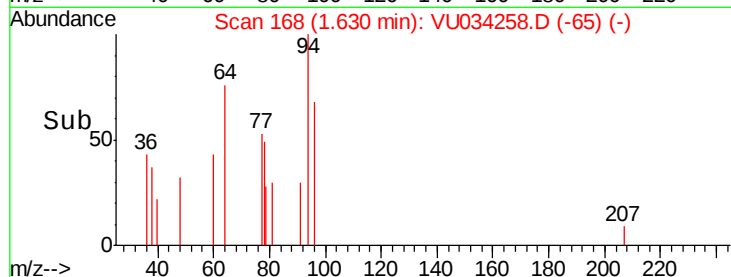
200

100

0

1.60 1.65

Time-->



#11

Tert butyl alcohol

Concen: 3.215 ug/l

RT: 2.82 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU034258.D

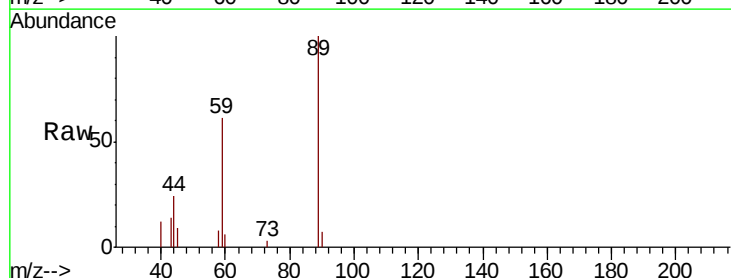
Acq: 04 Sep 2019 15:21

Tgt Ion: 59 Resp: 4038

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

2.82

2000

1500

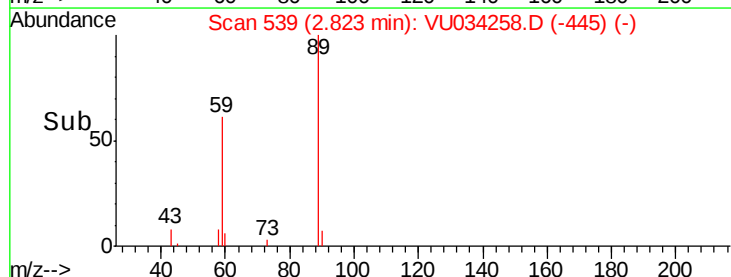
1000

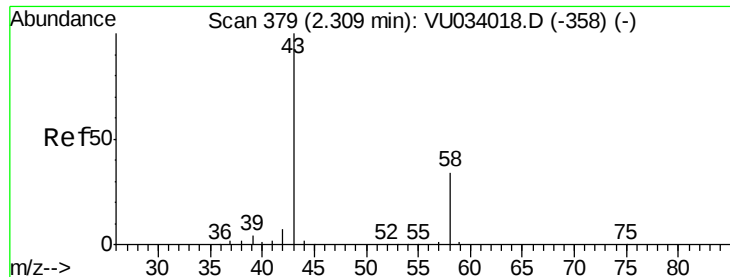
500

0

2.75 2.80 2.85

Time-->





#16

Acetone

Concen: 4.804 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034258.D

Acq: 04 Sep 2019 15:21

Instrument :

MSVOA_U

ClientSampleId :

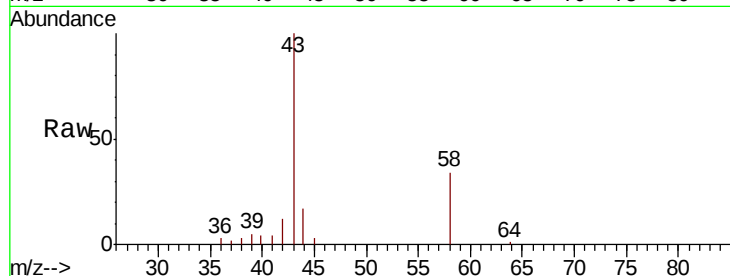
T3-S-F(0)

Tgt Ion: 43 Resp: 13349

Ion Ratio Lower Upper

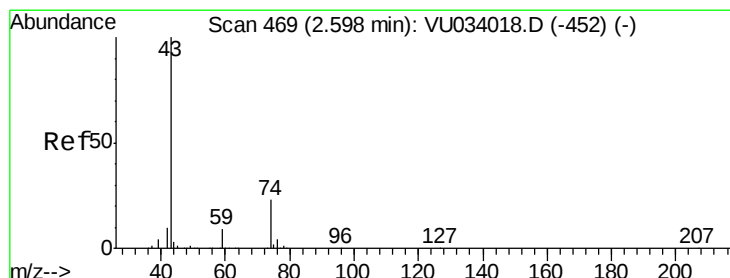
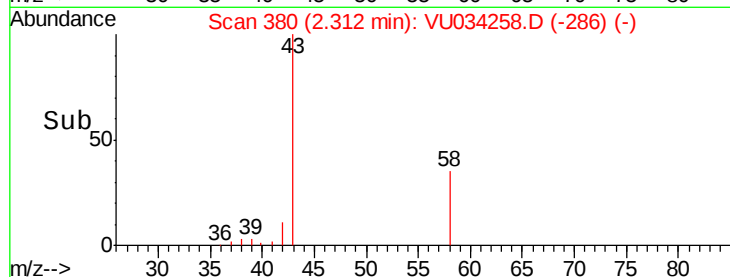
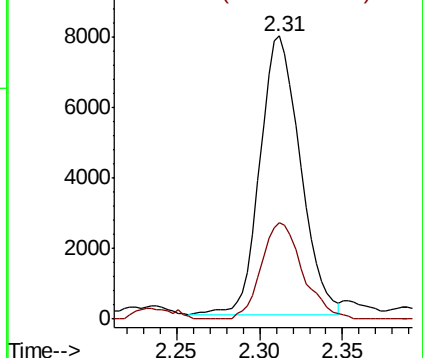
43 100

58 33.2 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU034258.D (-380) (-)

Ion 58.00 (57.70 to 58.70): VU034258.D (-380) (-)



#18

Methyl Acetate

Concen: 0.398 ug/l

RT: 2.61 min Scan# 474

Delta R.T. 0.02 min

Lab File: VU034258.D

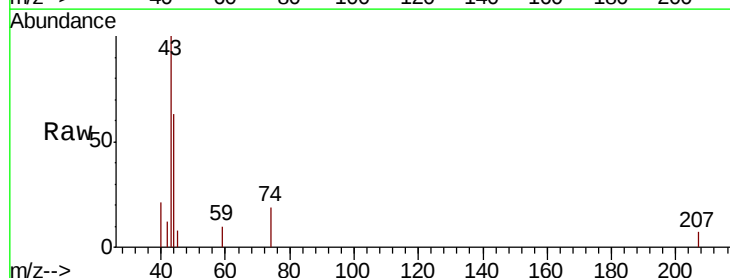
Acq: 04 Sep 2019 15:21

Tgt Ion: 43 Resp: 2858

Ion Ratio Lower Upper

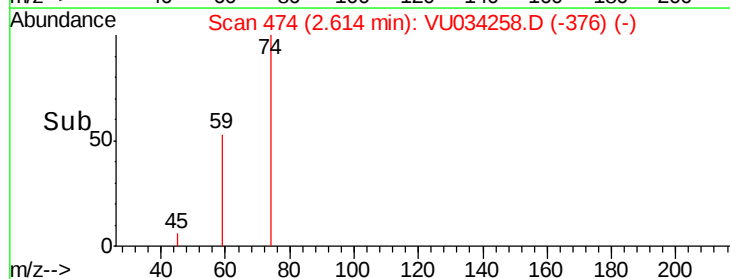
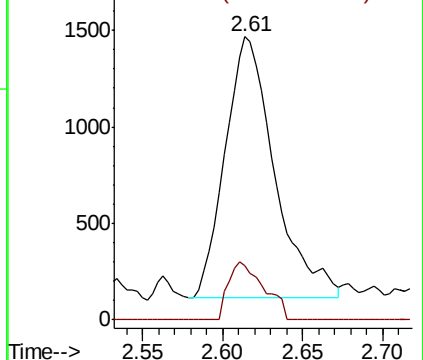
43 100

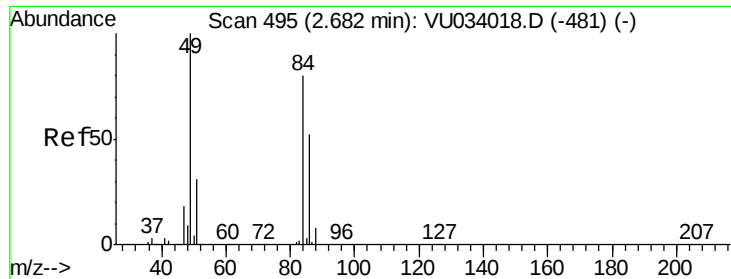
74 15.9 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VU034258.D (-474) (-)

Ion 74.00 (73.70 to 74.70): VU034258.D (-474) (-)

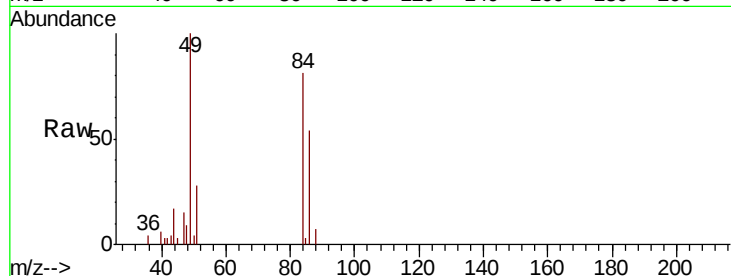




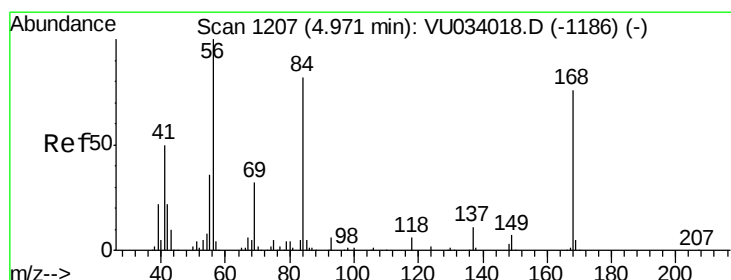
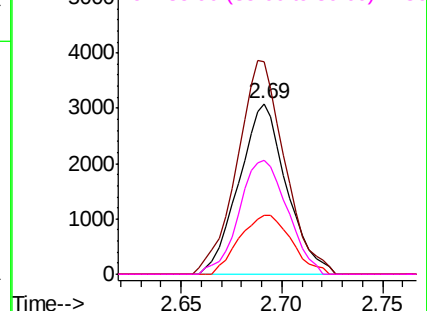
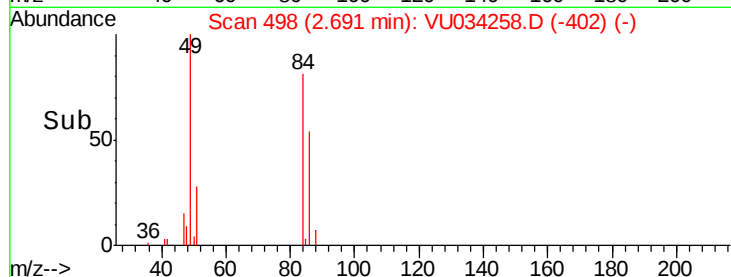
#20
Methylene Chloride
Concen: 0.967 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.01 min
Lab File: VU034258.D
Acq: 04 Sep 2019 15:21

Instrument :
MSVOA_U
ClientSampleId :
T3-S-F(0)

Tgt Ion:	84	Resp:	5087
Ion	Ratio	Lower	Upper
84	100		
49	124.1	100.2	150.4
51	34.5	30.8	46.2
86	66.8	52.5	78.7

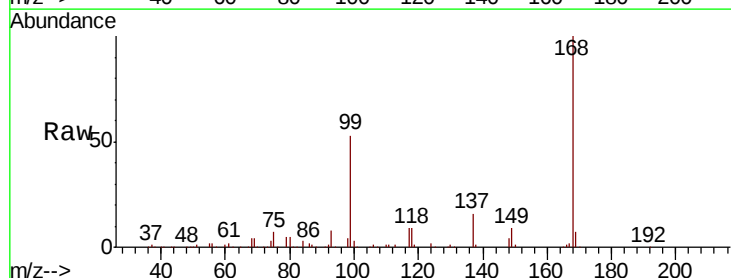


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

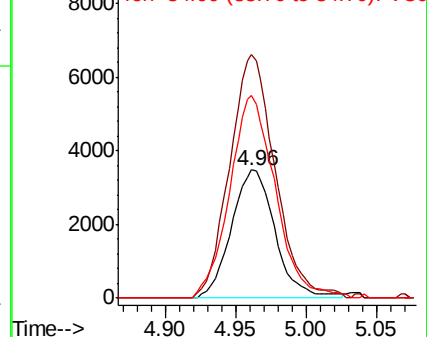
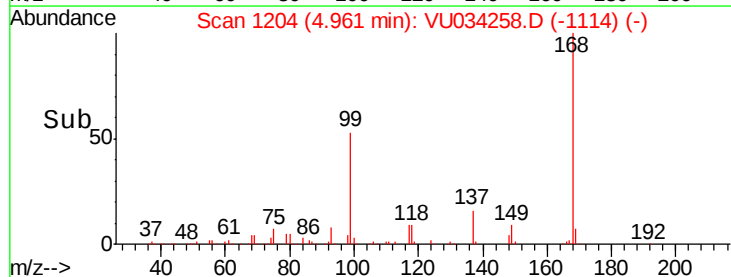


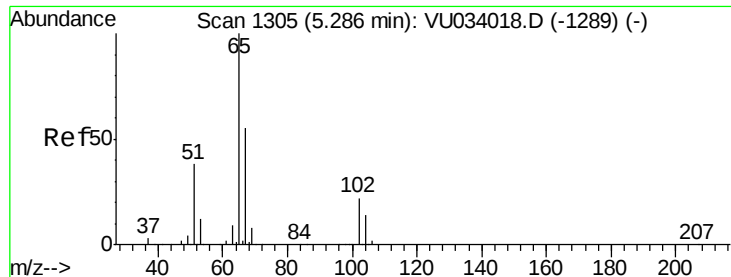
#31
Cyclohexane
Concen: 0.927 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034258.D
Acq: 04 Sep 2019 15:21

Tgt Ion:	56	Resp:	7540
Ion	Ratio	Lower	Upper
56	100		
69	190.4	25.4	38.0#
84	158.7	65.8	98.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

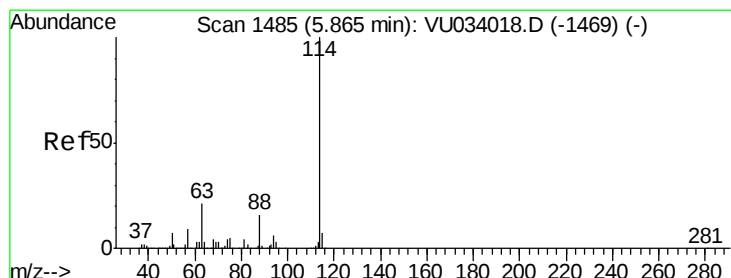
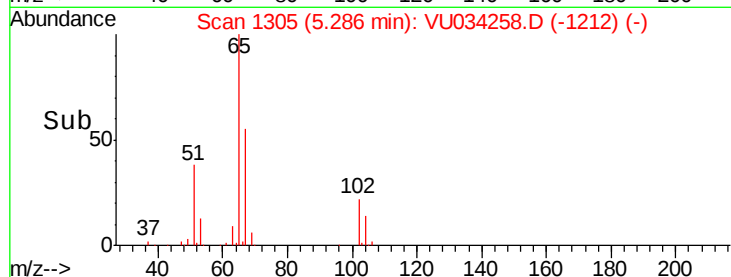
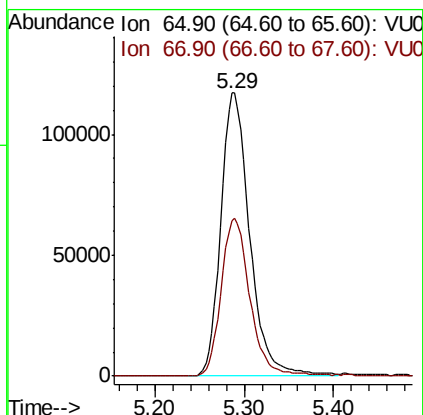
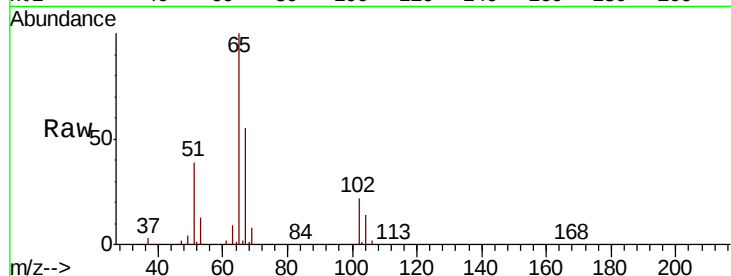




#33
 1,2-Dichloroethane-d4
 Concen: 48.370 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034258.D
 Acq: 04 Sep 2019 15:21

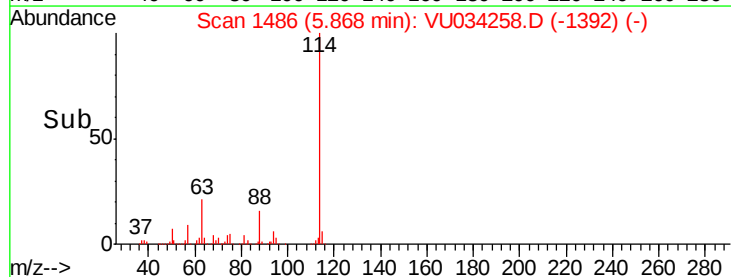
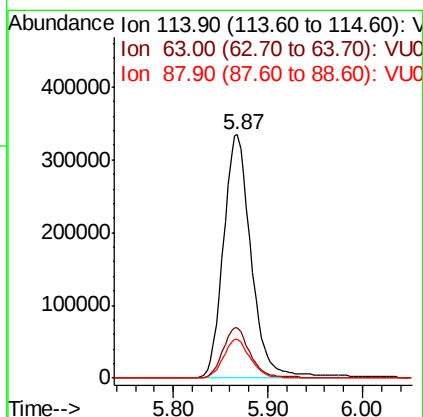
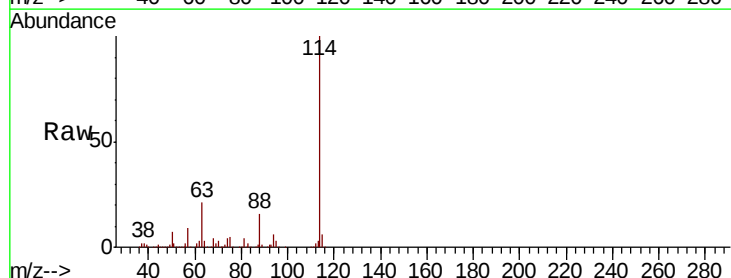
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-F(0)

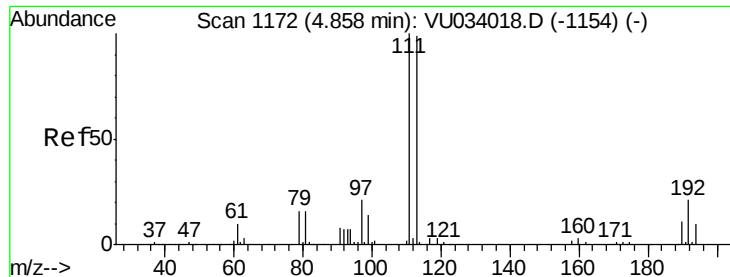
Tgt Ion: 65 Resp: 263420
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034258.D
 Acq: 04 Sep 2019 15:21

Tgt Ion: 114 Resp: 682598
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.0
 88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.783 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034258.D

Acq: 04 Sep 2019 15:21

Instrument :
MSVOA_U
ClientSampleId :
T3-S-F(0)

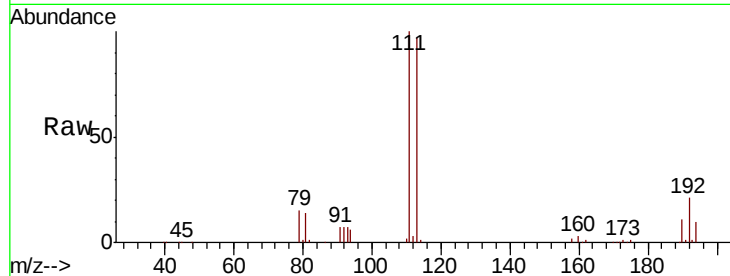
Tgt Ion:113 Resp: 226228

Ion Ratio Lower Upper

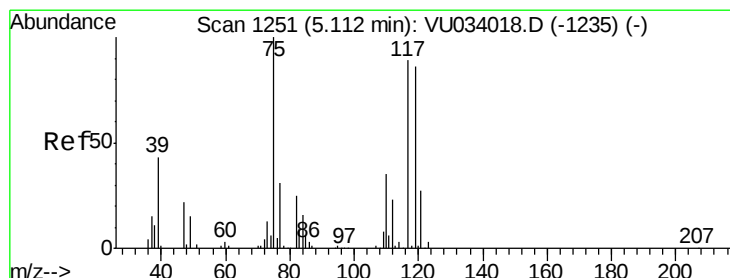
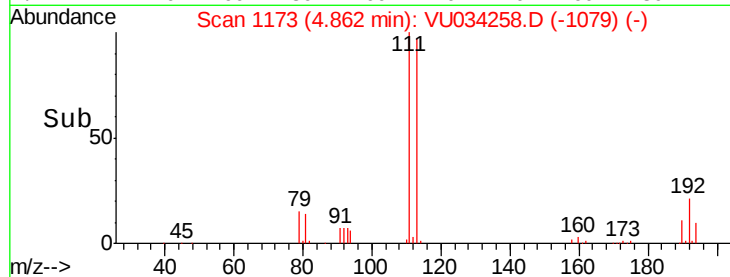
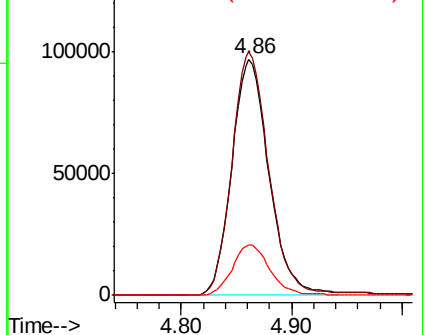
113 100

111 102.3 81.7 122.5

192 21.6 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.635 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034258.D

Acq: 04 Sep 2019 15:21

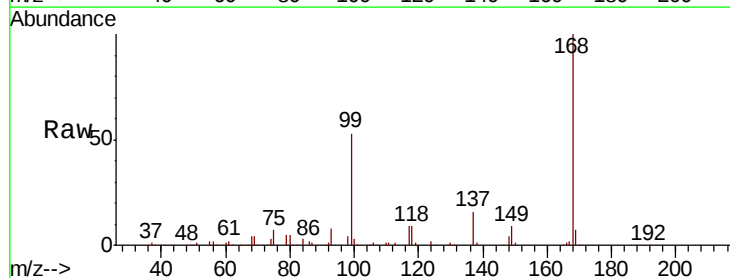
Tgt Ion: 75 Resp: 29924

Ion Ratio Lower Upper

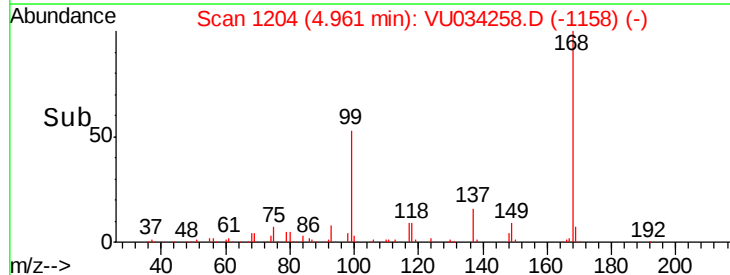
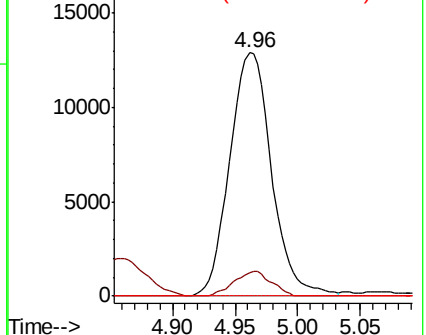
75 100

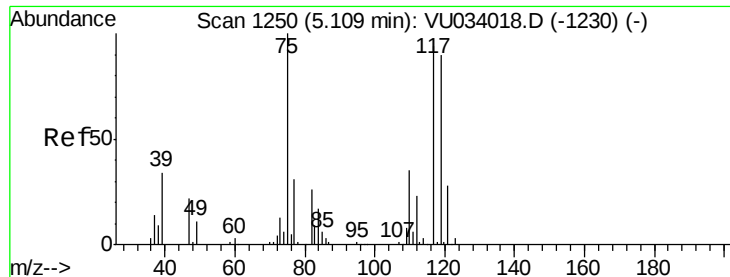
110 9.0 17.8 53.5#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.302 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034258.D

Acq: 04 Sep 2019 15:21

Instrument :

MSVOA_U

ClientSampleId :

T3-S-F(0)

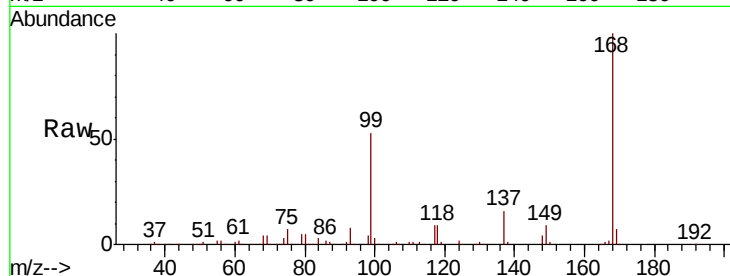
Tgt Ion:117 Resp: 39277

Ion Ratio Lower Upper

117 100

119 6.1 77.0 115.4#

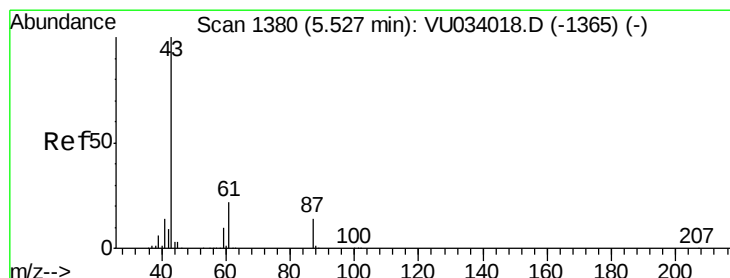
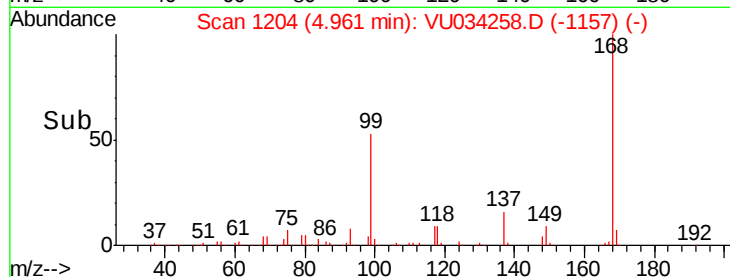
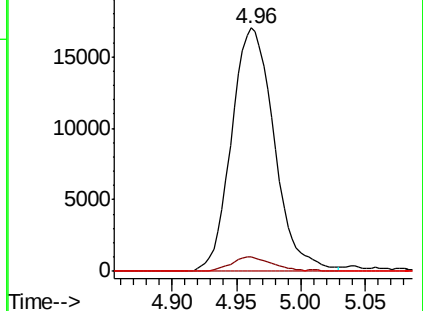
121 0.0 23.9 35.9#



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: 4.443 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034258.D

Acq: 04 Sep 2019 15:21

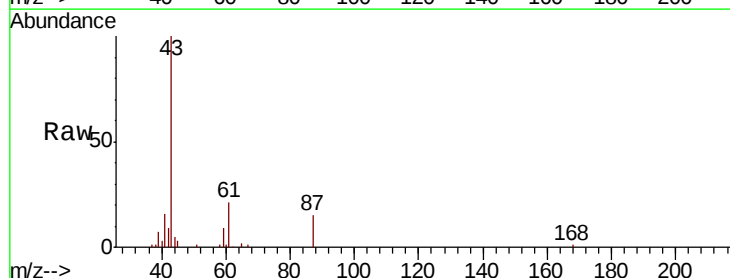
Tgt Ion: 43 Resp: 48867

Ion Ratio Lower Upper

43 100

61 21.0 17.2 25.8

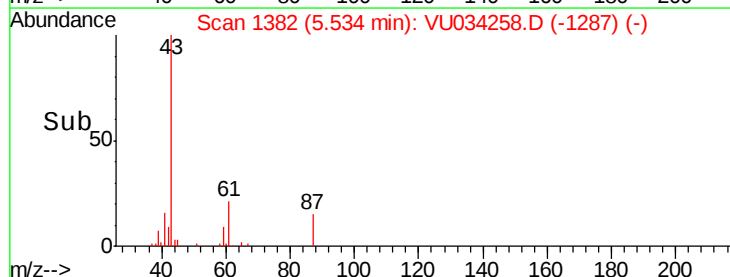
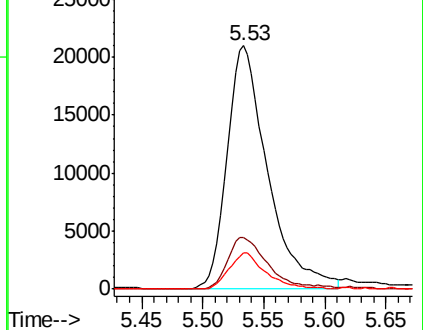
87 13.4 10.8 16.2

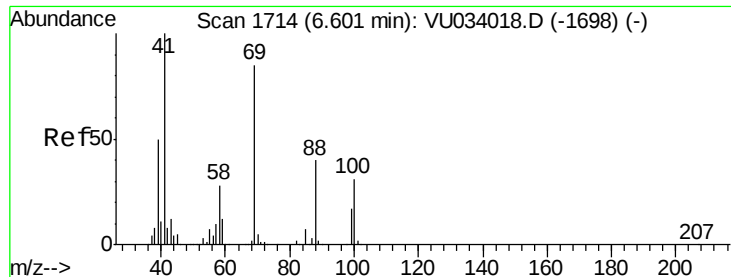


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

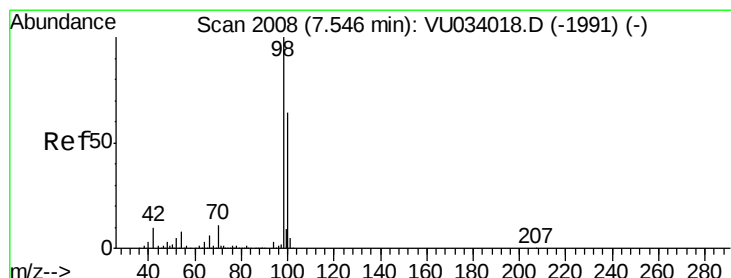
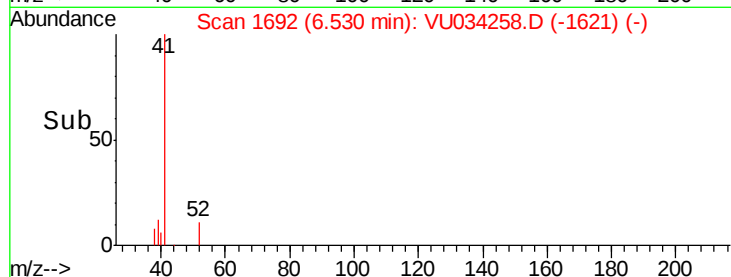
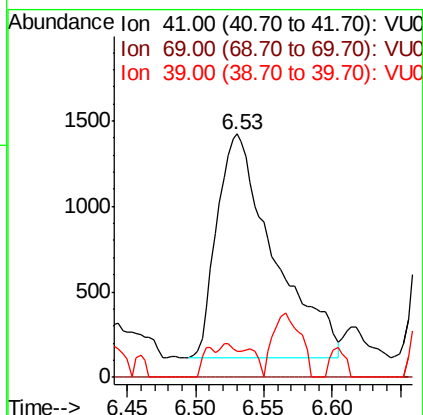
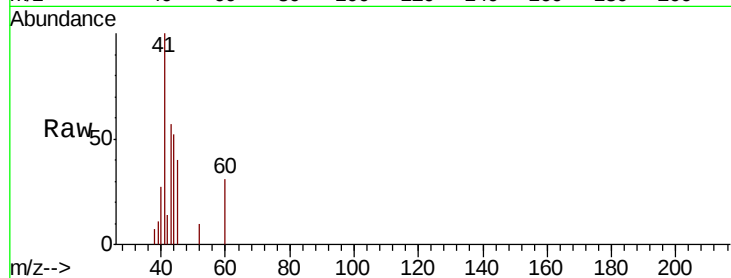




#48
Methyl methacrylate
Concen: 0.713 ug/l
RT: 6.53 min Scan# 1692
Delta R.T. -0.07 min
Lab File: VU034258.D
Acq: 04 Sep 2019 15:21

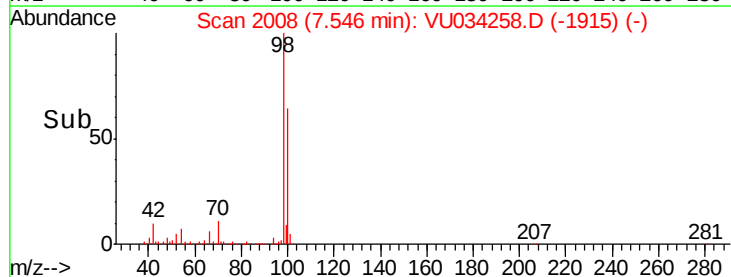
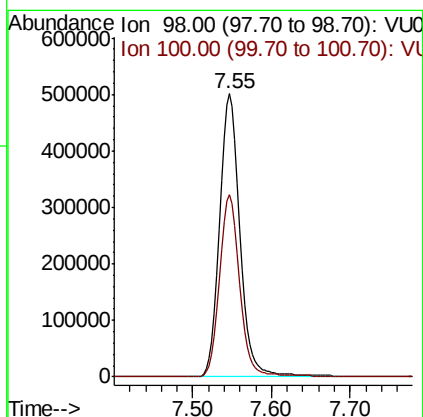
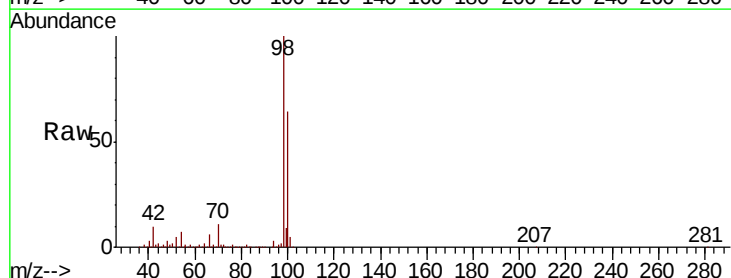
Instrument :
MSVOA_U
ClientSampleId :
T3-S-F(0)

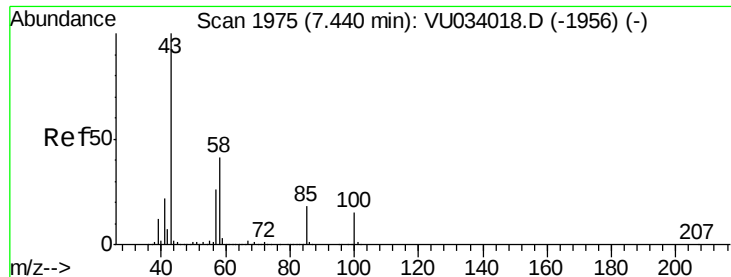
Tgt Ion: 41 Resp: 3784
Ion Ratio Lower Upper
41 100
69 0.0 69.5 104.3#
39 0.0 40.3 60.5#



#50
Toluene-d8
Concen: 50.505 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034258.D
Acq: 04 Sep 2019 15:21

Tgt Ion: 98 Resp: 895335
Ion Ratio Lower Upper
98 100
100 64.1 50.3 75.5

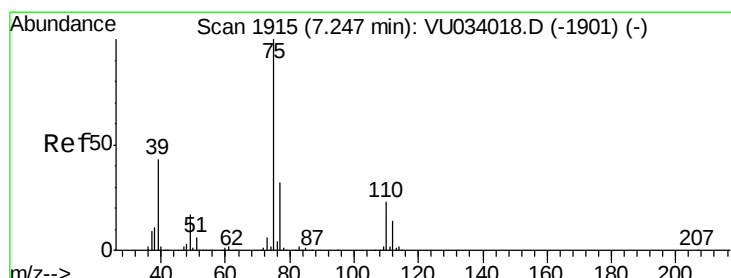
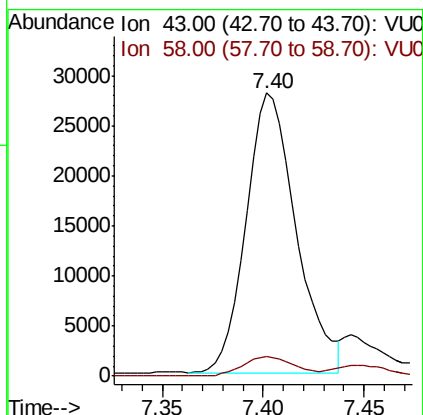
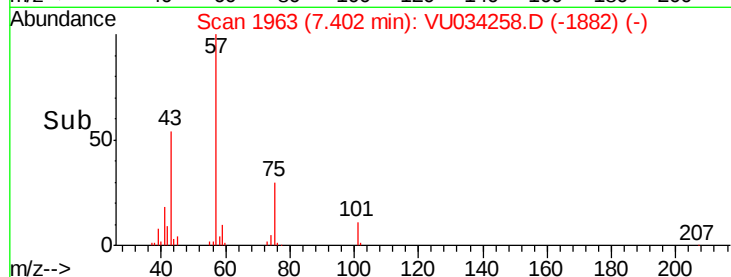
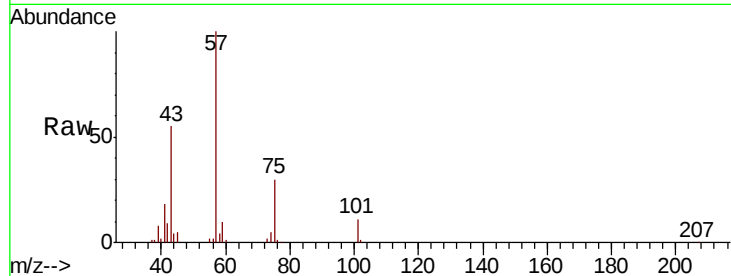




#51
 4-Methyl-2-Pentanone
 Concen: 6.382 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. -0.04 min
 Lab File: VU034258.D
 Acq: 04 Sep 2019 15:21

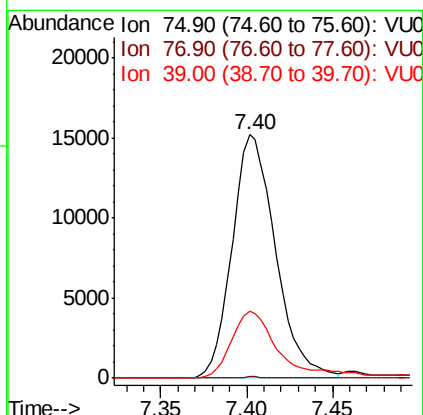
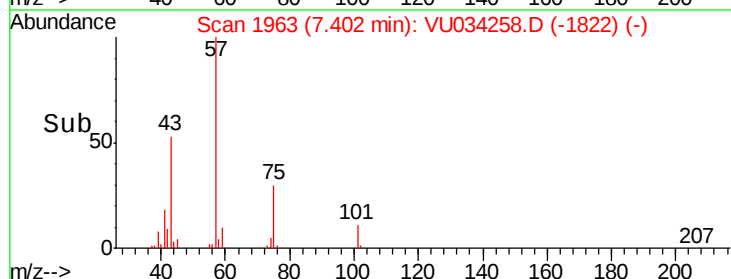
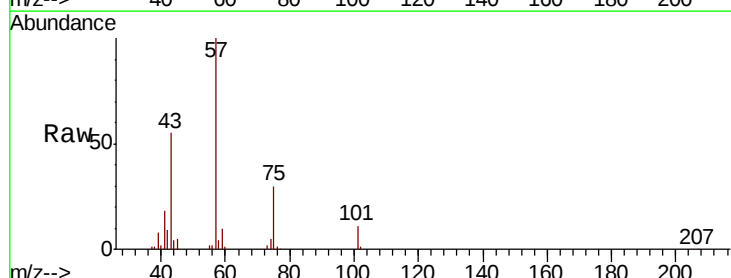
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-F(0)

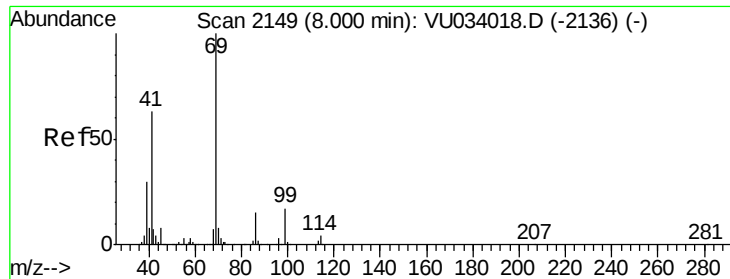
Tgt Ion: 43 Resp: 48477
 Ion Ratio Lower Upper
 43 100
 58 7.3 32.2 48.4#



#54
 cis-1,3-Dichloropropene
 Concen: 3.236 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034258.D
 Acq: 04 Sep 2019 15:21

Tgt Ion: 75 Resp: 26593
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 27.4 34.6 51.8#





#56

Ethyl methacrylate

Concen: 0.988 ug/l

RT: 7.96 min Scan# 2138

Delta R.T. -0.03 min

Lab File: VU034258.D

Acq: 04 Sep 2019 15:21

Instrument :

MSVOA_U

ClientSampleId :

T3-S-F(0)

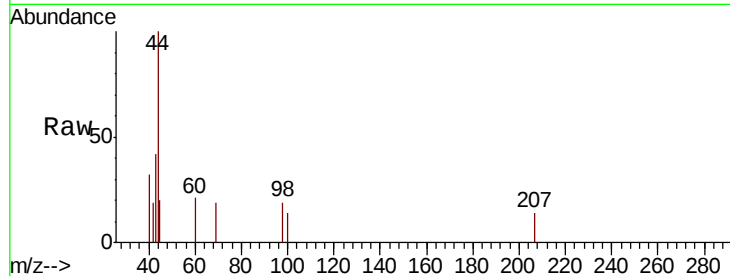
Tgt Ion: 69 Resp: 145

Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

39 0.0 24.2 36.2#



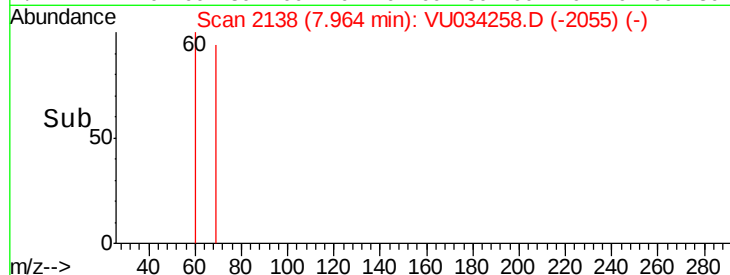
Abundance Ion 69.00 (68.70 to 69.70): VU034258.D (-2136) (-)

Ion 41.00 (40.70 to 41.70): VU034258.D (-2136) (-)

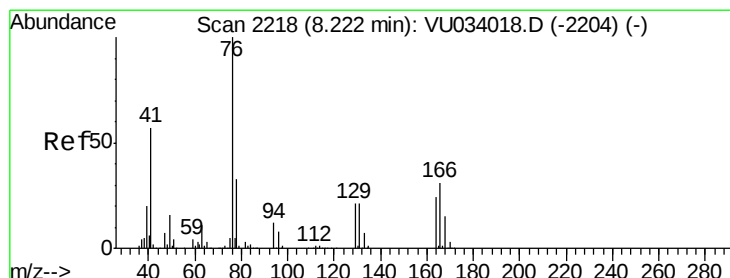
Ion 39.00 (38.70 to 39.70): VU034258.D (-2136) (-)

7.96

7.94 7.95 7.96 7.97 7.98



Time-->



#57

1,3-Dichloropropane

Concen: 0.324 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.17 min

Lab File: VU034258.D

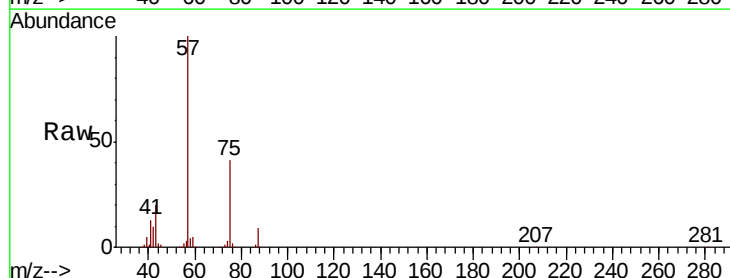
Acq: 04 Sep 2019 15:21

Tgt Ion: 76 Resp: 2799

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#

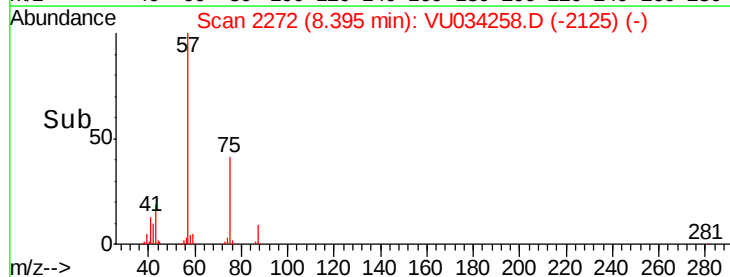


Abundance Ion 75.90 (75.60 to 76.60): VU034258.D (-2204) (-)

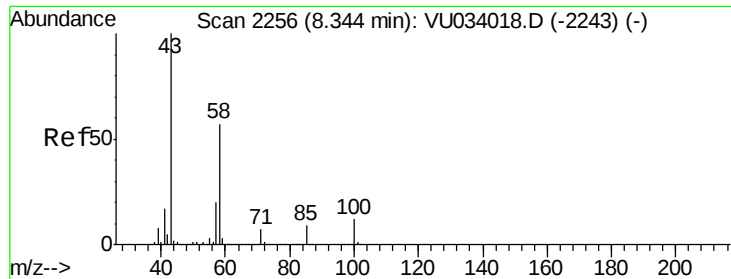
Ion 77.90 (77.60 to 78.60): VU034258.D (-2204) (-)

8.40

8.35 8.40 8.45



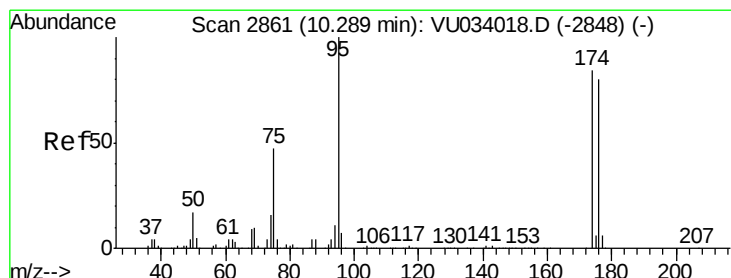
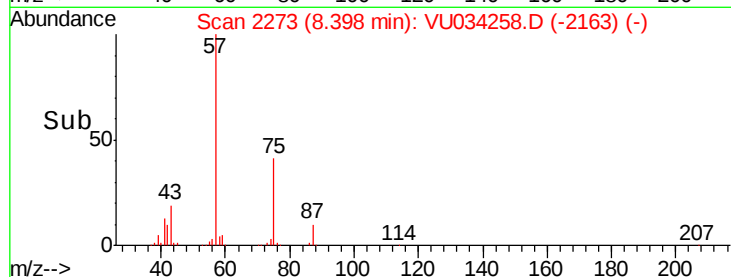
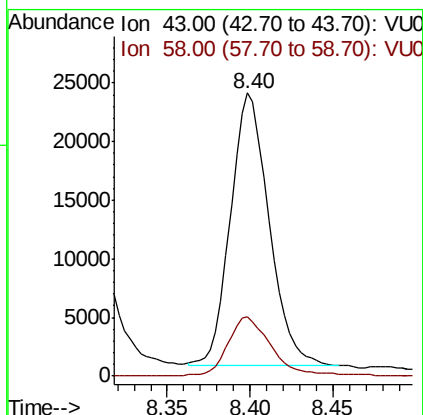
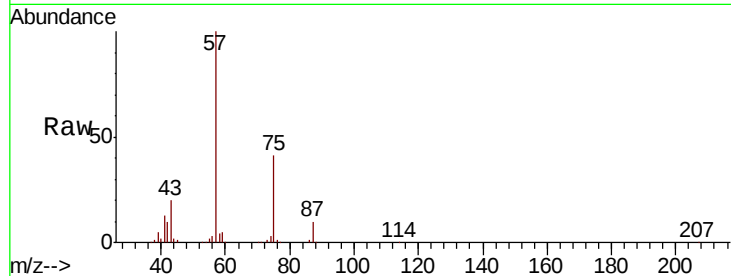
Time-->



#59
 2-Hexanone
 Concen: 6.557 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.05 min
 Lab File: VU034258.D
 Acq: 04 Sep 2019 15:21

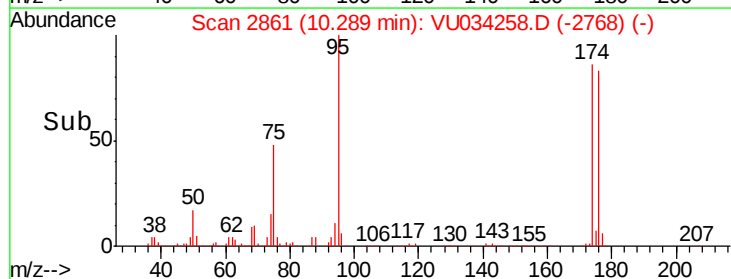
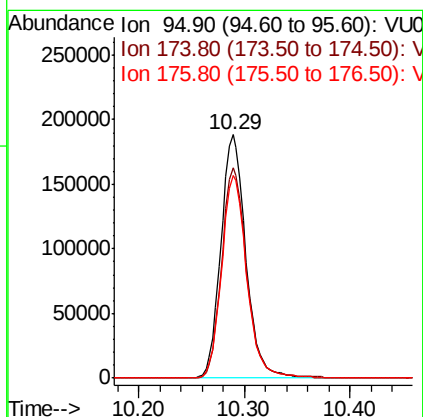
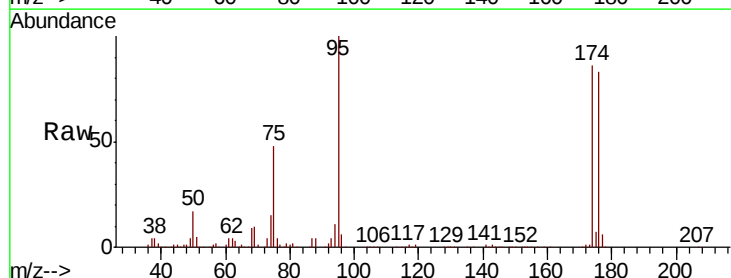
Instrument :
 MSVOA_U
 ClientSampleId :
 T3-S-F(0)

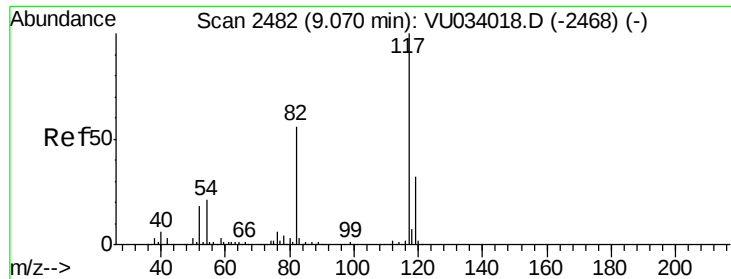
Tgt Ion: 43 Resp: 37600
 Ion Ratio Lower Upper
 43 100
 58 24.8 28.4 85.3#



#62
 4-Bromofluorobenzene
 Concen: 44.888 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034258.D
 Acq: 04 Sep 2019 15:21

Tgt Ion: 95 Resp: 309537
 Ion Ratio Lower Upper
 95 100
 174 86.8 0.0 168.8
 176 83.4 0.0 161.8

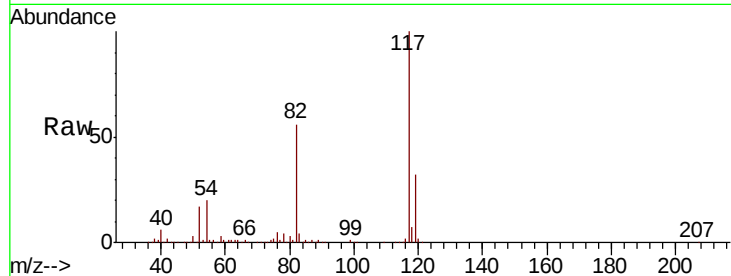




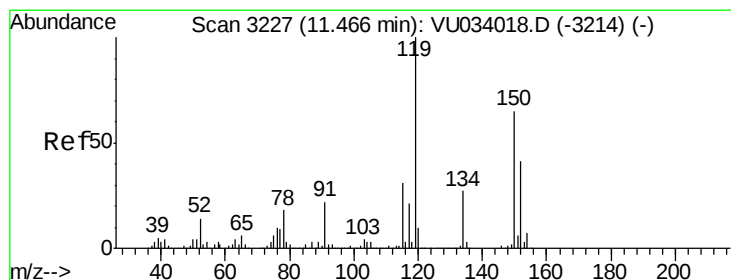
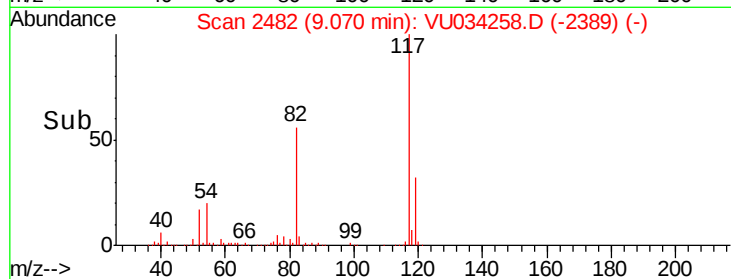
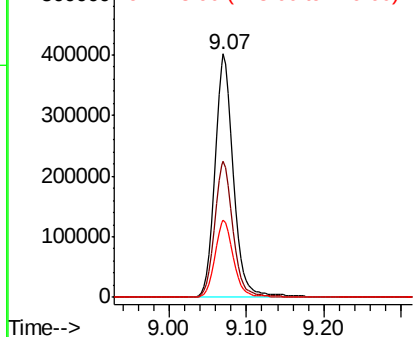
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034258.D
Acq: 04 Sep 2019 15:21

Instrument :
MSVOA_U
ClientSampleId :
T3-S-F(0)

Tgt Ion:117 Resp: 683664
Ion Ratio Lower Upper
117 100
82 56.1 45.1 67.7
119 31.9 25.4 38.0

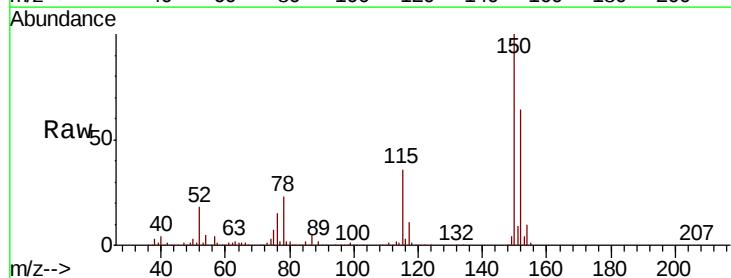


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

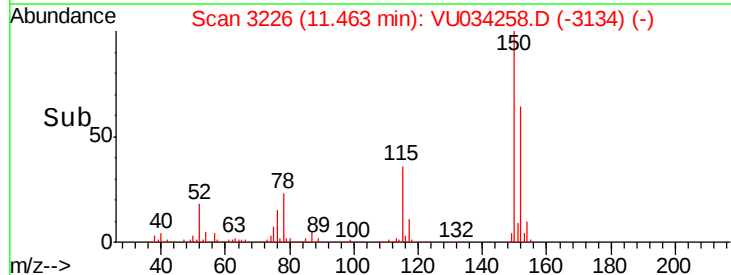
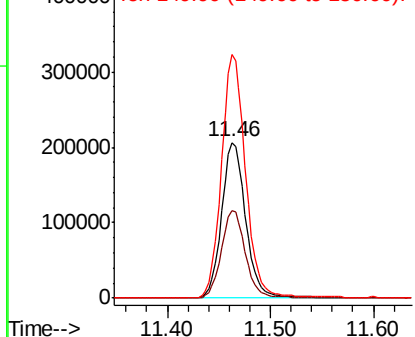


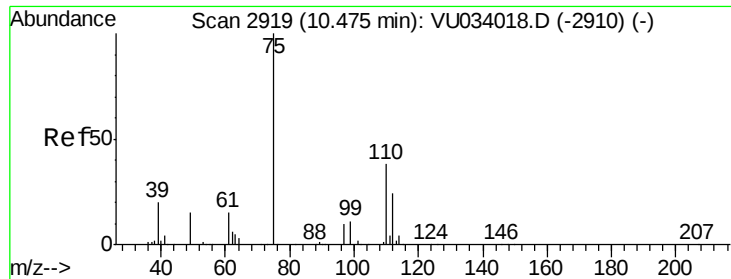
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034258.D
Acq: 04 Sep 2019 15:21

Tgt Ion:152 Resp: 335447
Ion Ratio Lower Upper
152 100
115 56.5 41.1 123.3
150 156.5 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: 19.460 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034258.D

Acq: 04 Sep 2019 15:21

Instrument :

MSVOA_U

ClientSampled :

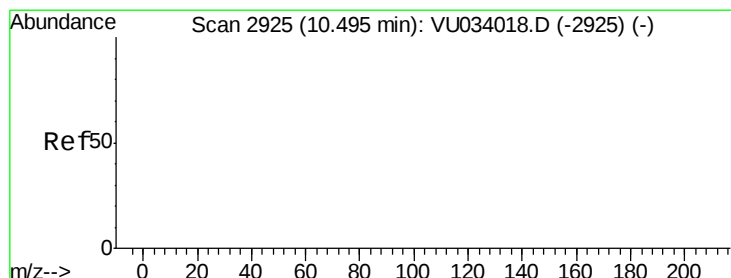
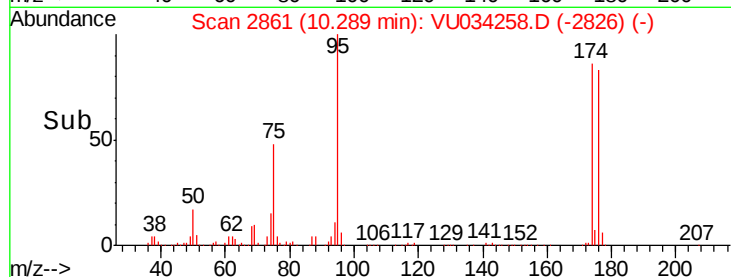
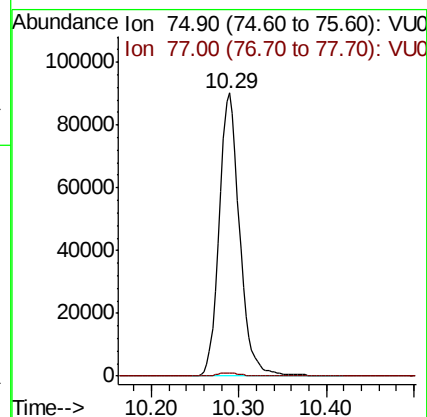
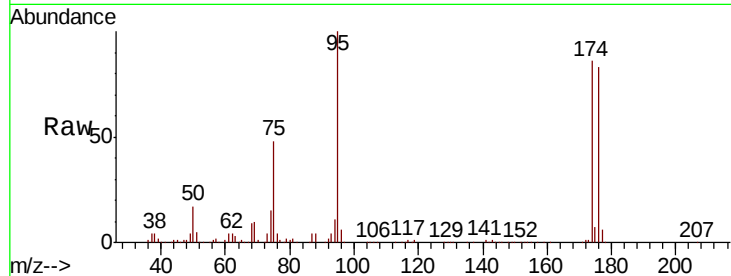
T3-S-F(0)

Tgt Ion: 75 Resp: 147126

Ion Ratio Lower Upper

75 100

77 1.3 20.1 60.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.527 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034258.D

Acq: 04 Sep 2019 15:21

Tgt Ion: 75 Resp: 147126

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

89 0.0 0.0 0.0

