

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090519\
 Data File : VU034267.D
 Acq On : 04 Sep 2019 18:51
 Operator : JC/SP
 Sample : K4547-39
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-1-(0)

Quant Time: Sep 05 03:41:12 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	426258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	663784	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	675529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	334620	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	258024	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
35) Dibromofluoromethane	4.86	113	223384	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	7.55	98	877016	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	10.29	95	305512	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	

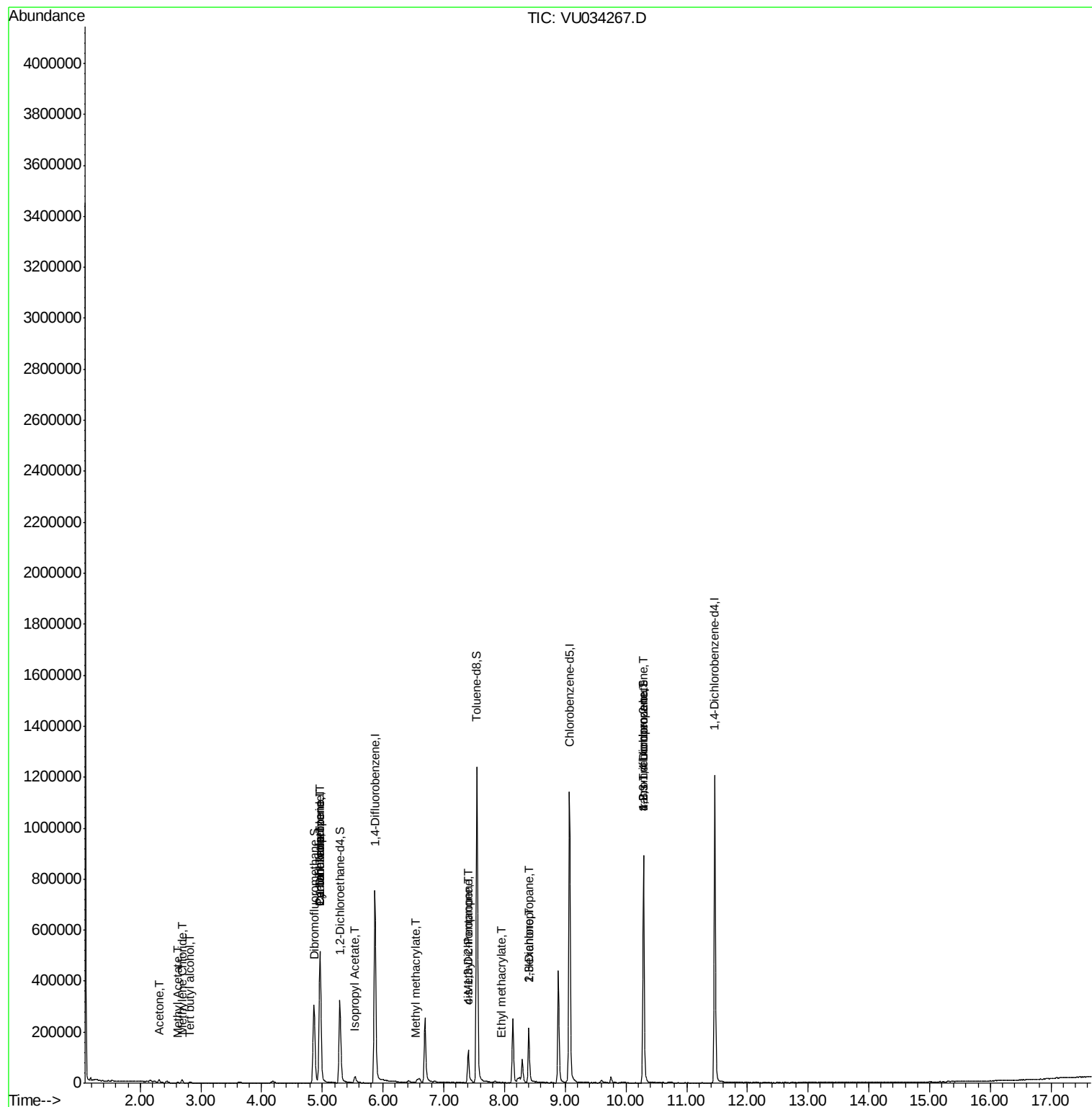
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	431	Below Cal		97
5) Bromomethane	1.60	94	23	Below Cal	#	2
11) Tert butyl alcohol	2.82	59	3035	2.410	ug/l #	73
16) Acetone	2.31	43	13460	4.830	ug/l	97
18) Methyl Acetate	2.61	43	2711	0.376	ug/l	92
20) Methylene Chloride	2.69	84	5097	0.966	ug/l	92
31) Cyclohexane	4.96	56	7425	0.910	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	30256	4.819	ug/l #	49
38) Carbon Tetrachloride	4.96	117	38021	6.274	ug/l #	16
43) Isopropyl Acetate	5.54	43	30802	2.880	ug/l	96
48) Methyl methacrylate	6.53	41	2735	0.530	ug/l #	14
51) 4-Methyl-2-Pentanone	7.40	43	45856	6.208	ug/l #	47
54) cis-1,3-Dichloropropene	7.40	75	24592	3.078	ug/l #	62
56) Ethyl methacrylate	7.96	69	95	0.983	ug/l #	27
57) 1,3-Dichloropropane	8.40	76	2335	0.278	ug/l #	42
59) 2-Hexanone	8.40	43	30077	5.394	ug/l #	56
76) 1,2,3-Trichloropropane	10.29	75	144188	19.119	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	144188	64.377	ug/l #	100

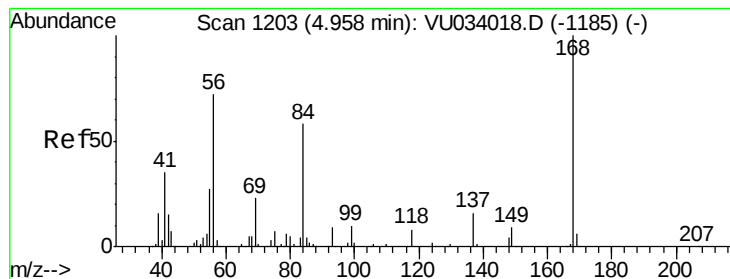
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034267.D

Acq: 04 Sep 2019 18:51

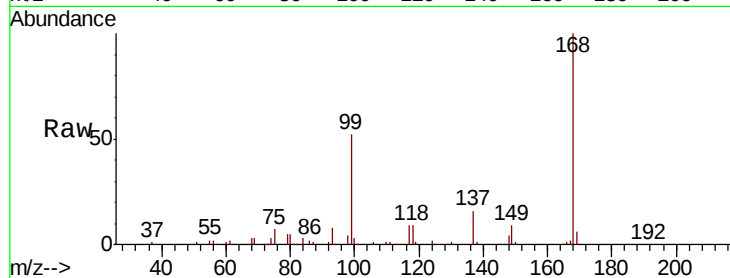
Instrument :
MSVOA_U
ClientSampleId :
T11-1-(0)

Tgt Ion: 168 Resp: 426258

Ion Ratio Lower Upper

168 100

99 52.2 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

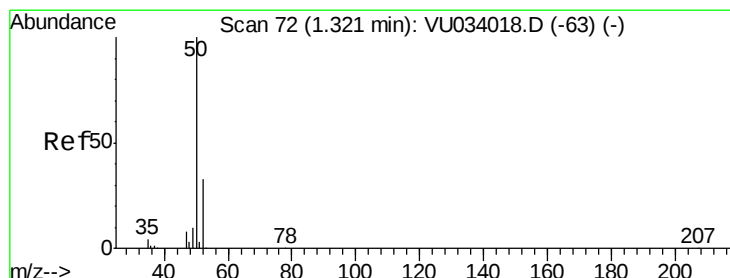
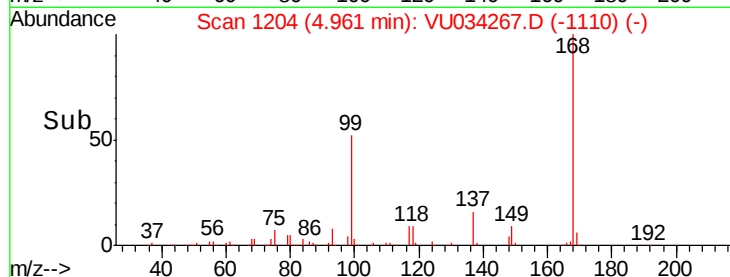
100000

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: VU034267.D

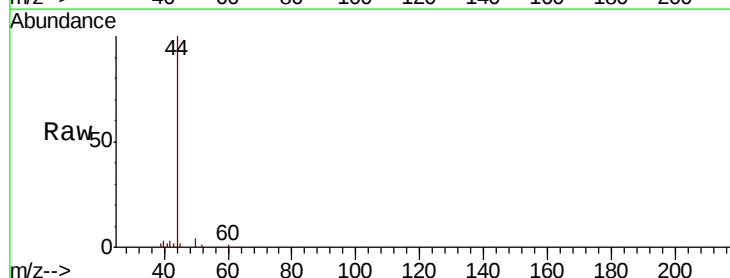
Acq: 04 Sep 2019 18:51

Tgt Ion: 50 Resp: 431

Ion Ratio Lower Upper

50 100

52 34.2 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

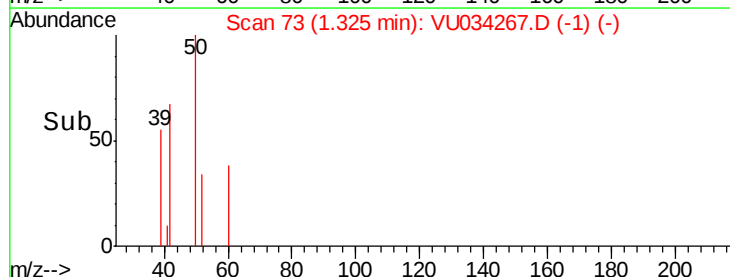
200

100

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VU034267.D

Acq: 04 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

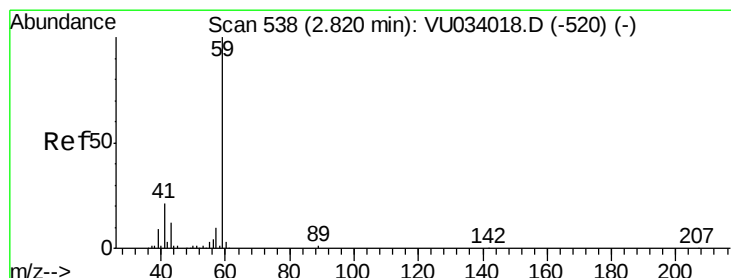
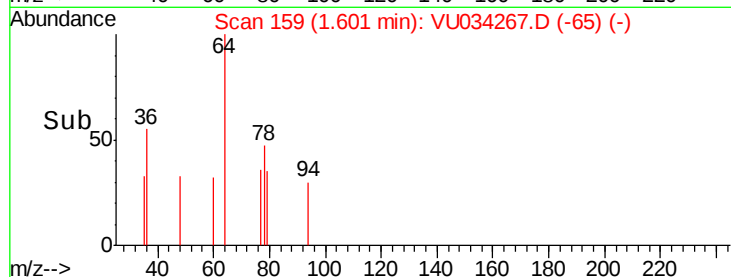
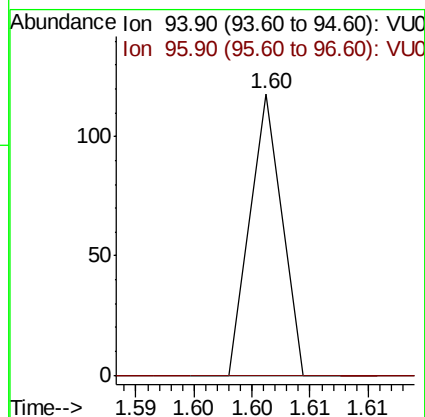
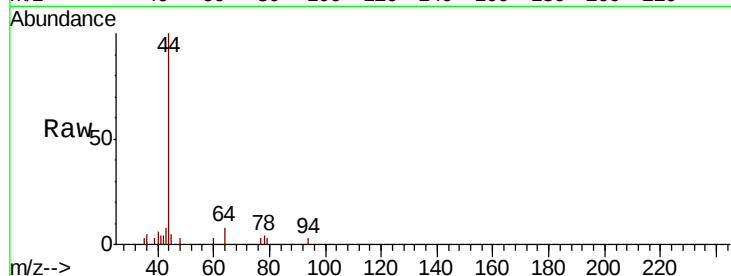
T11-1-(0)

Tgt Ion: 94 Resp: 23

Ion Ratio Lower Upper

94 100

96 0.0 76.3 114.5#



#11

Tert butyl alcohol

Concen: 2.410 ug/l

RT: 2.82 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU034267.D

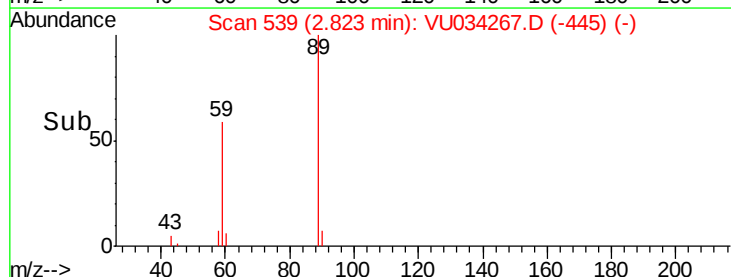
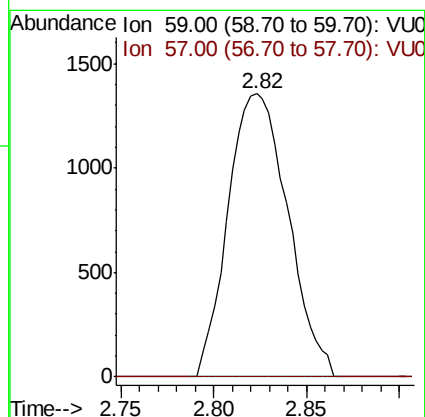
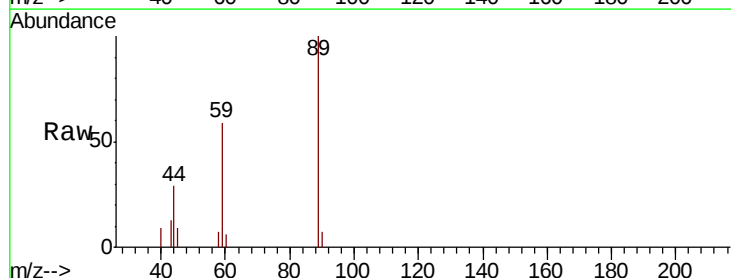
Acq: 04 Sep 2019 18:51

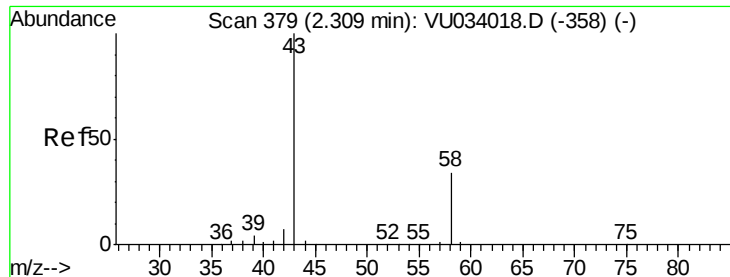
Tgt Ion: 59 Resp: 3035

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#





#16

Acetone

Concen: 4.830 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034267.D

Acq: 04 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

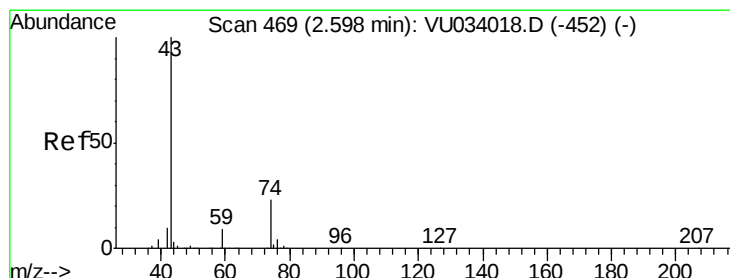
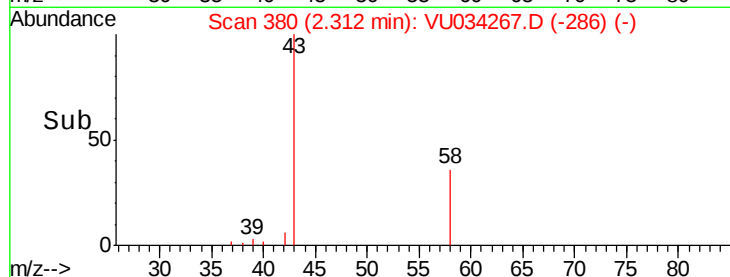
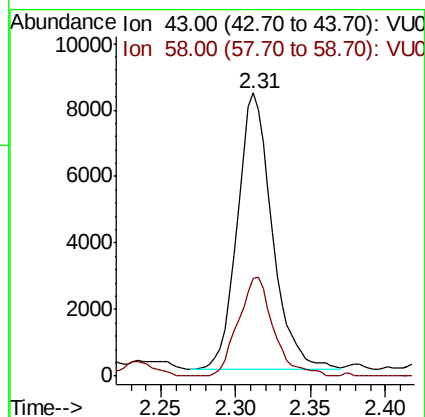
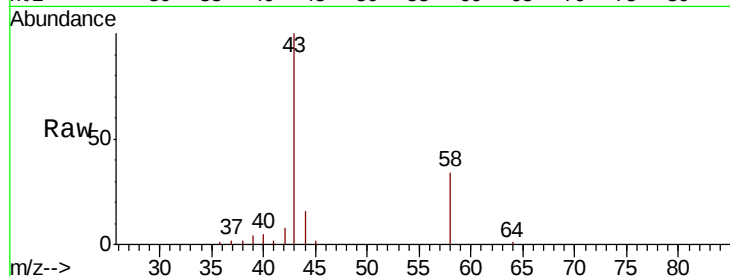
T11-1-(0)

Tgt Ion: 43 Resp: 13460

Ion Ratio Lower Upper

43 100

58 35.2 26.8 40.2



#18

Methyl Acetate

Concen: 0.376 ug/l

RT: 2.61 min Scan# 474

Delta R.T. 0.02 min

Lab File: VU034267.D

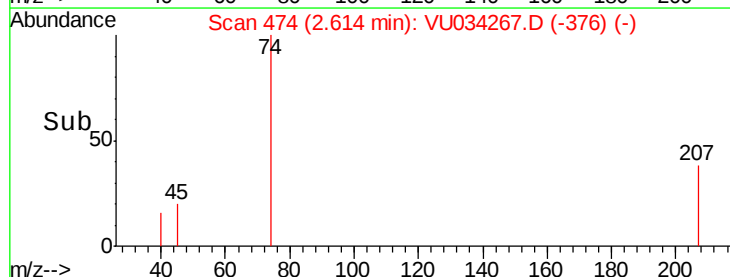
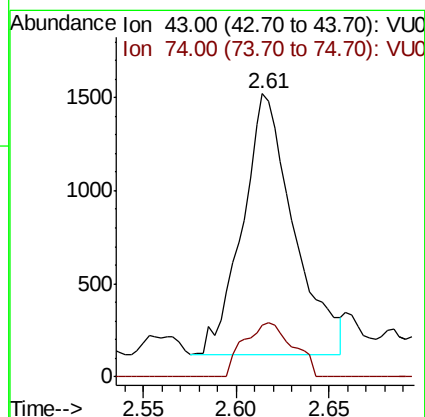
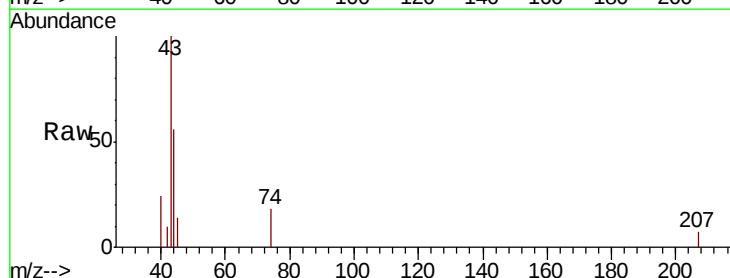
Acq: 04 Sep 2019 18:51

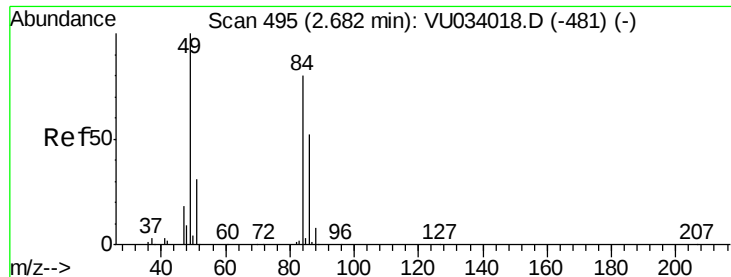
Tgt Ion: 43 Resp: 2711

Ion Ratio Lower Upper

43 100

74 19.9 19.2 28.8

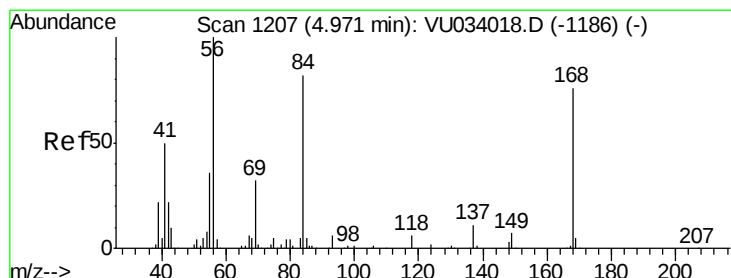
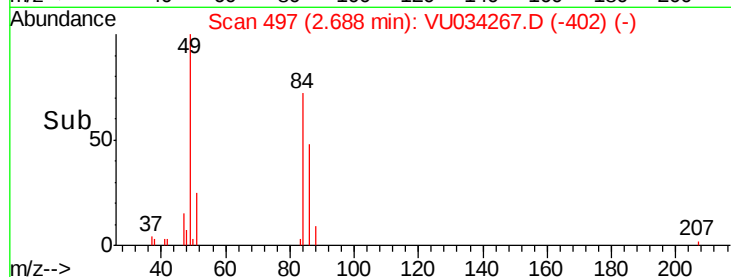
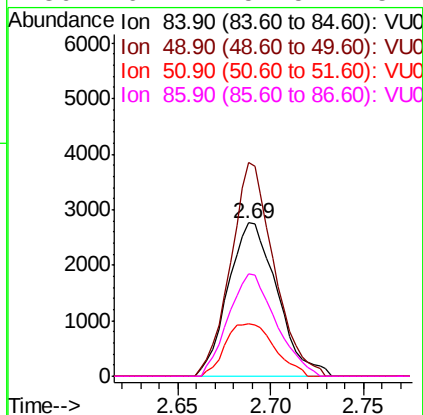
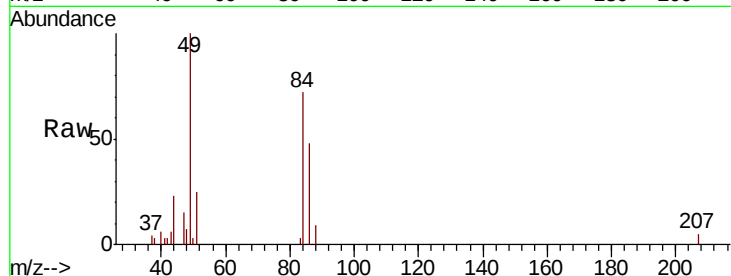




#20
Methylene Chloride
Concen: 0.966 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034267.D
Acq: 04 Sep 2019 18:51

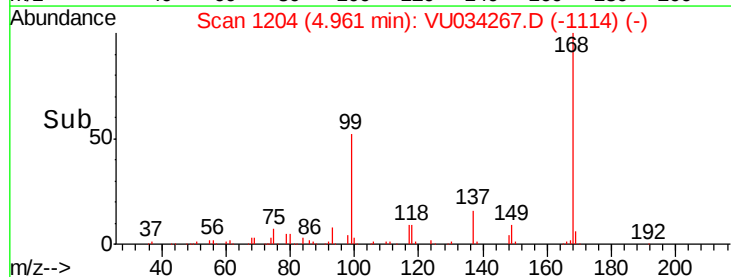
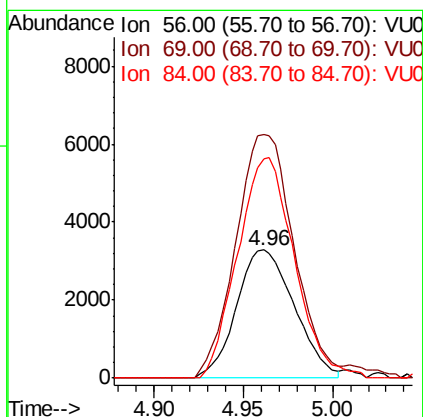
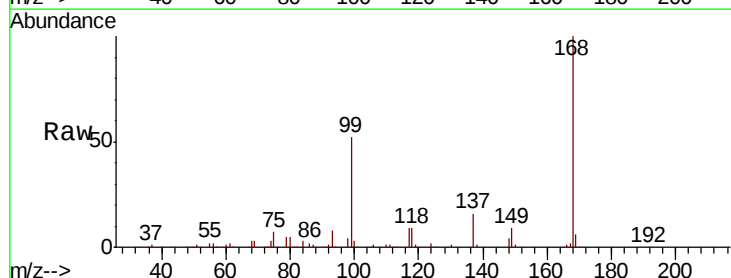
Instrument :
MSVOA_U
ClientSampleId :
T11-1-(0)

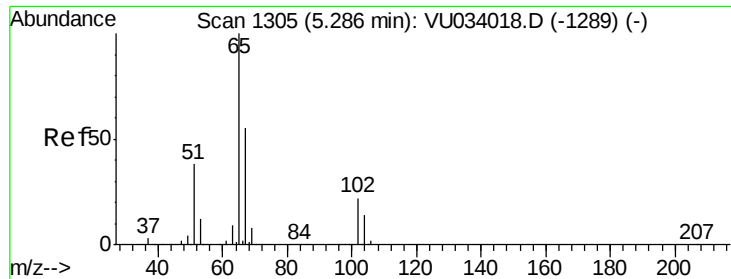
Tgt Ion:	84	Resp:	5097
Ion	Ratio	Lower	Upper
84	100		
49	139.1	100.2	150.4
51	34.5	30.8	46.2
86	67.1	52.5	78.7



#31
Cyclohexane
Concen: 0.910 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034267.D
Acq: 04 Sep 2019 18:51

Tgt Ion:	56	Resp:	7425
Ion	Ratio	Lower	Upper
56	100		
69	190.4	25.4	38.0#
84	171.7	65.8	98.8#

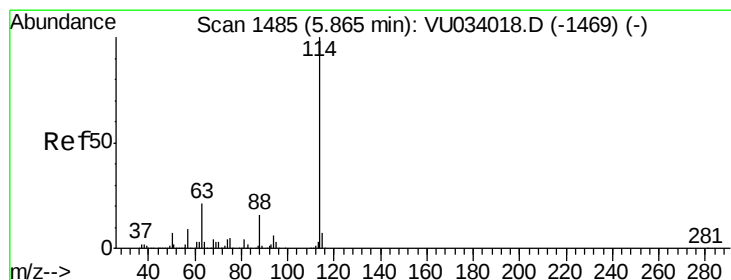
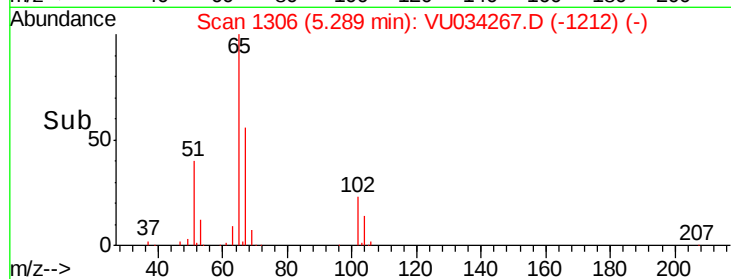
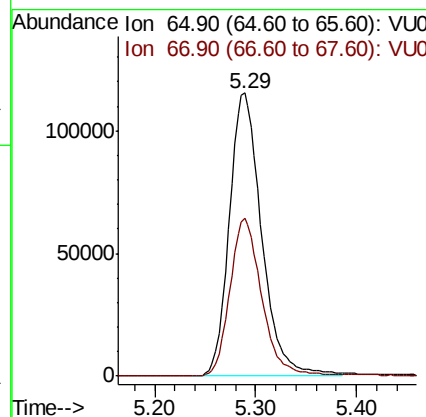
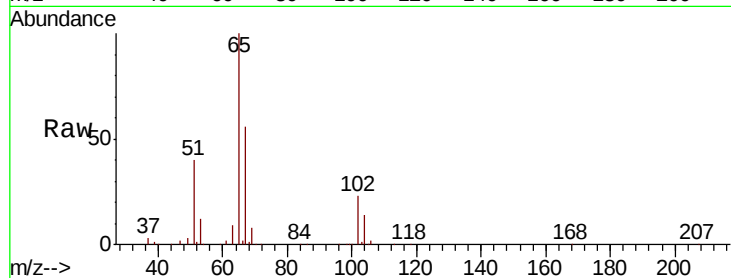




#33
 1,2-Dichloroethane-d4
 Concen: 47.241 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034267.D
 Acq: 04 Sep 2019 18:51

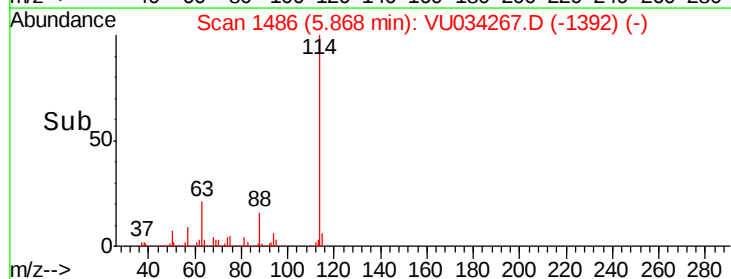
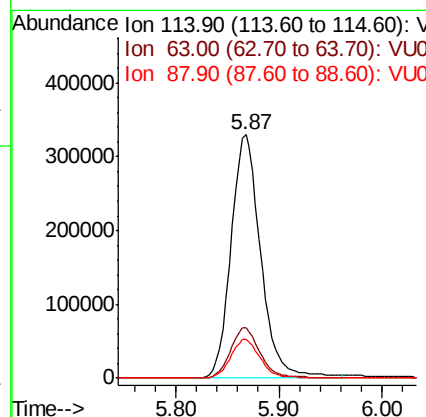
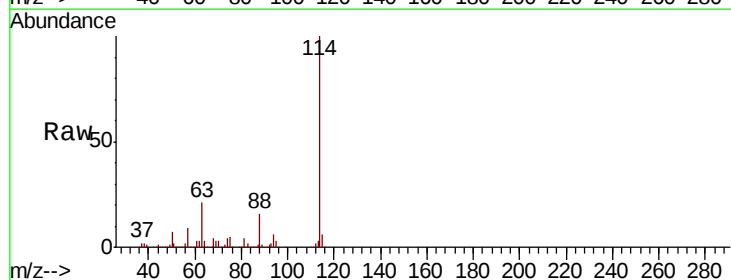
Instrument :
 MSVOA_U
 ClientSampleId :
 T11-1-(0)

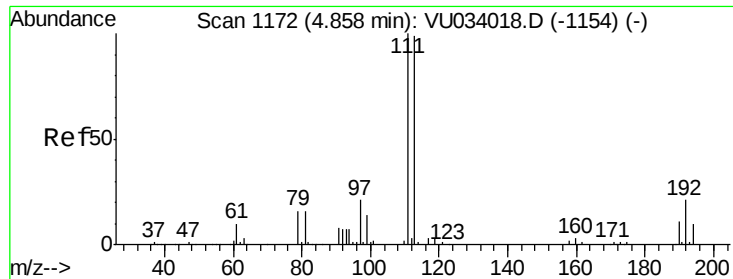
Tgt Ion: 65 Resp: 258024
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034267.D
 Acq: 04 Sep 2019 18:51

Tgt Ion: 114 Resp: 663784
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.0
 88 16.0 0.0 32.0

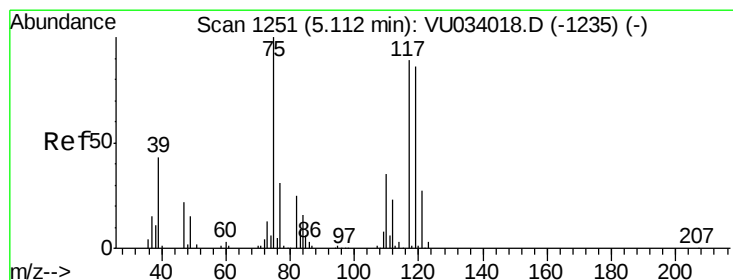
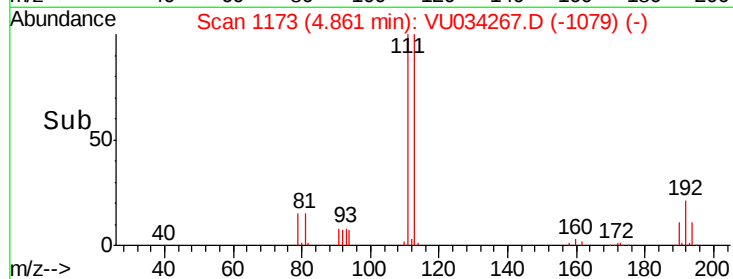
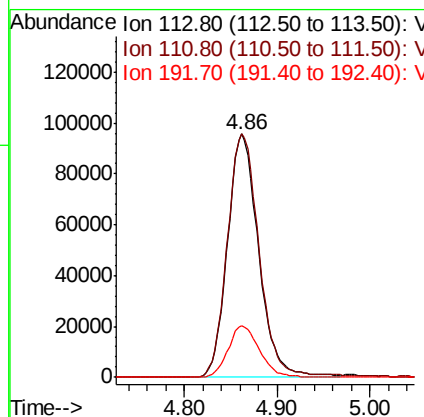
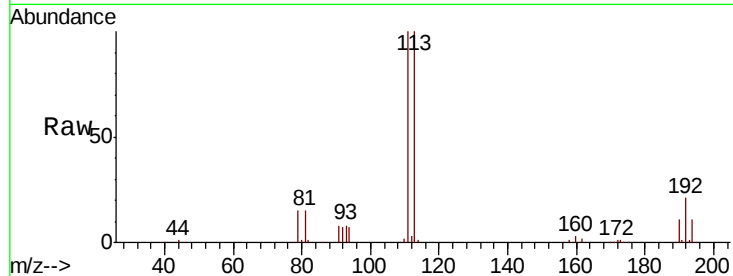




#35
 Dibromofluoromethane
 Concen: 48.520 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034267.D
 Acq: 04 Sep 2019 18:51

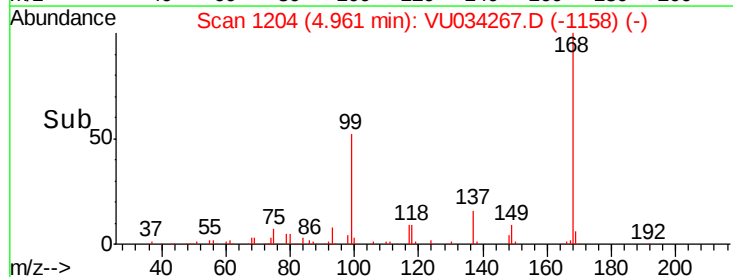
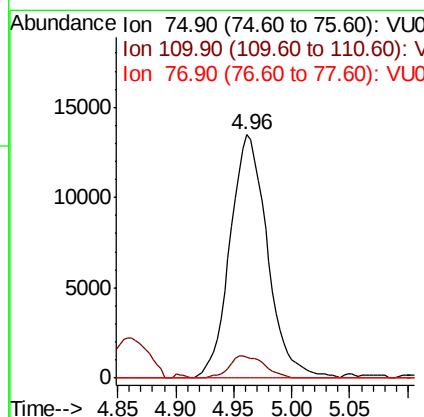
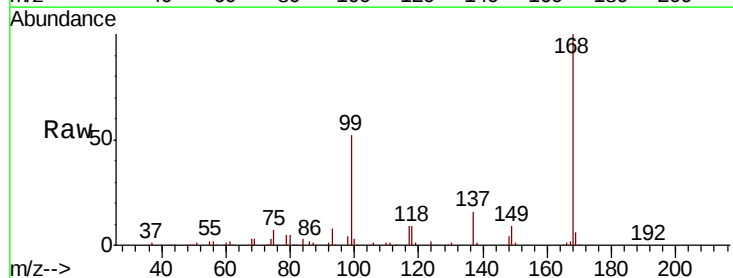
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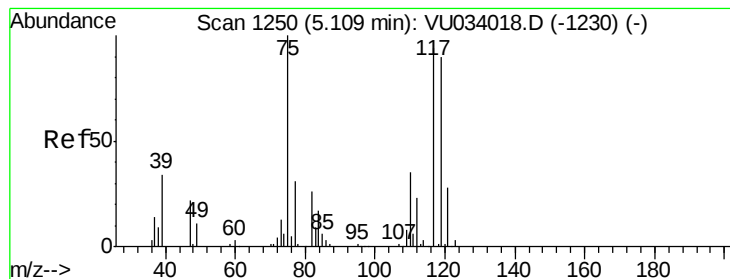
Tgt Ion:113 Resp: 22384
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.7 122.5
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.819 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034267.D
 Acq: 04 Sep 2019 18:51

Tgt Ion: 75 Resp: 30256
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.8 53.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.274 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034267.D

Acq: 04 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

T11-1-(0)

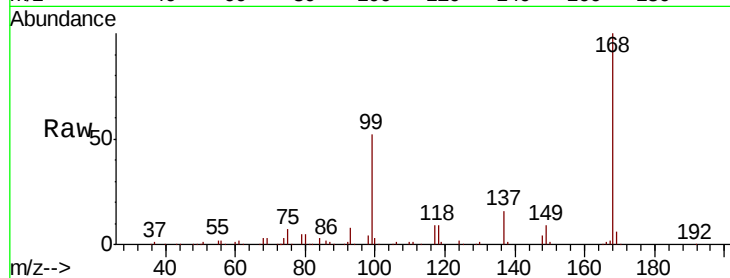
Tgt Ion:117 Resp: 38021

Ion Ratio Lower Upper

117 100

119 5.7 77.0 115.4#

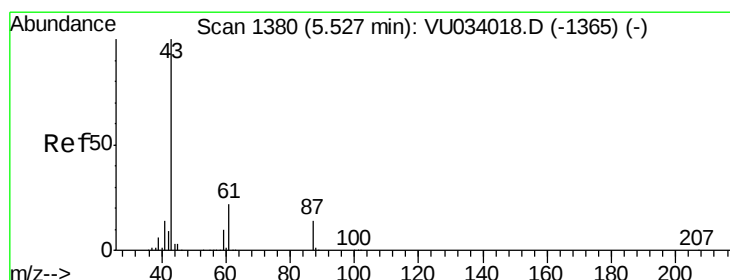
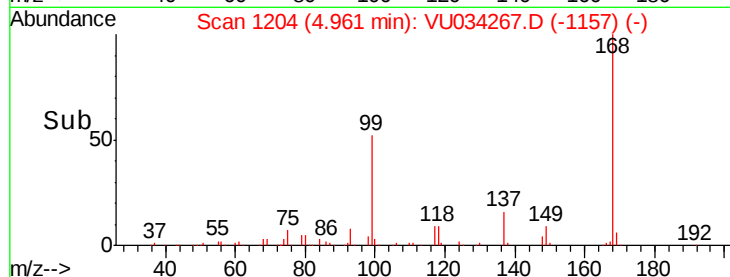
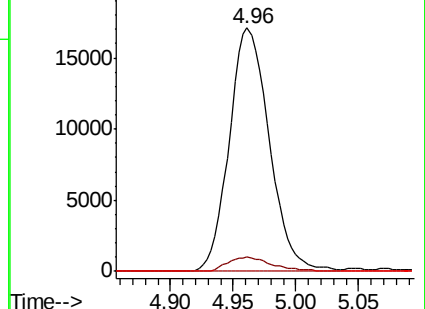
121 0.0 23.9 35.9#



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: 2.880 ug/l

RT: 5.54 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VU034267.D

Acq: 04 Sep 2019 18:51

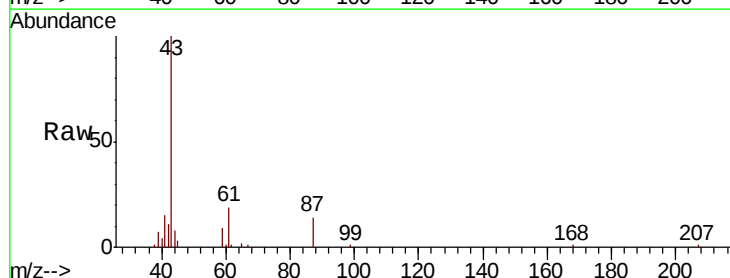
Tgt Ion: 43 Resp: 30802

Ion Ratio Lower Upper

43 100

61 18.8 17.2 25.8

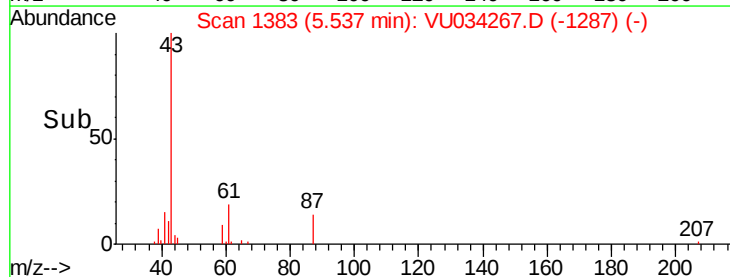
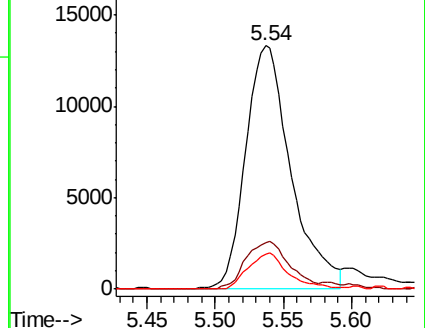
87 13.1 10.8 16.2

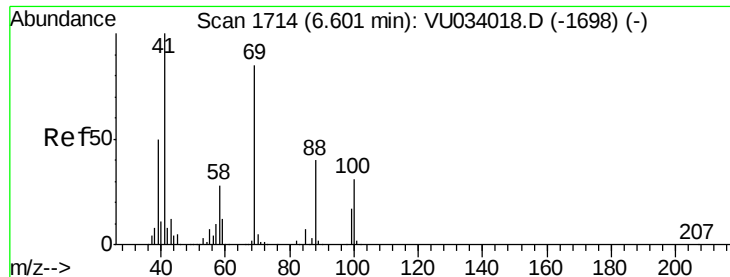


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

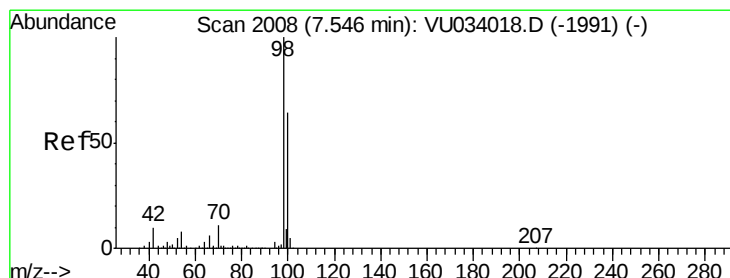
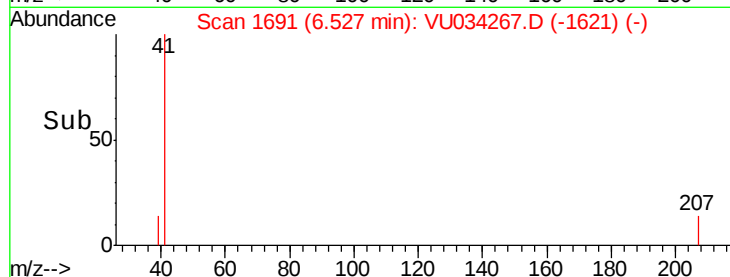
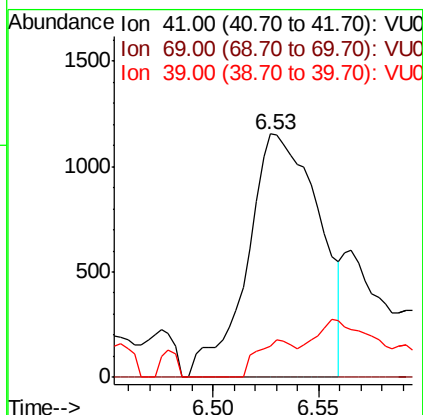
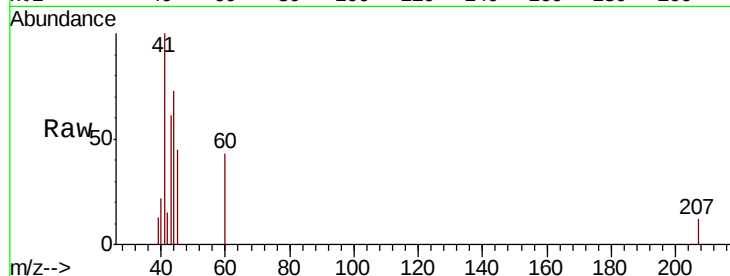




#48
Methyl methacrylate
Concen: 0.530 ug/l
RT: 6.53 min Scan# 1691
Delta R.T. -0.07 min
Lab File: VU034267.D
Acq: 04 Sep 2019 18:51

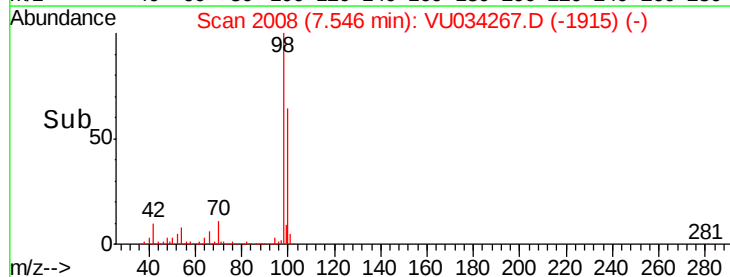
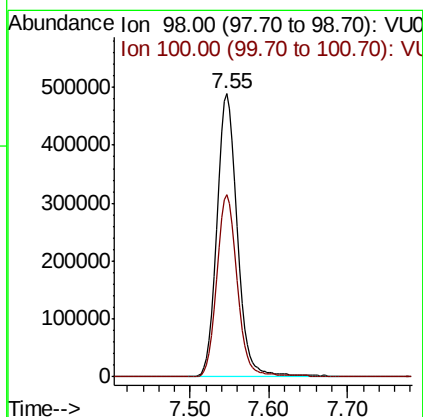
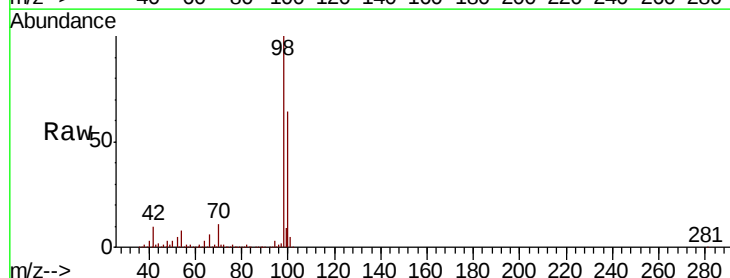
Instrument :
MSVOA_U
ClientSampleId :
T11-1-(0)

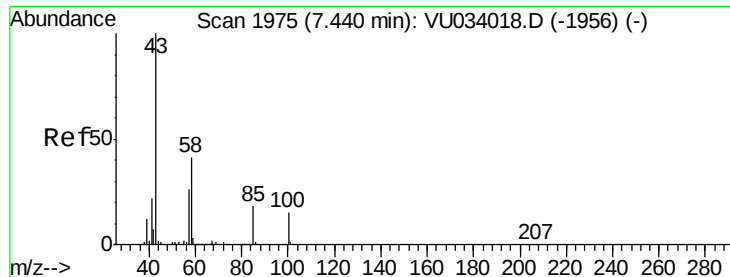
Tgt Ion: 41 Resp: 2735
Ion Ratio Lower Upper
41 100
69 0.0 69.5 104.3#
39 0.0 40.3 60.5#



#50
Toluene-d8
Concen: 50.874 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034267.D
Acq: 04 Sep 2019 18:51

Tgt Ion: 98 Resp: 877016
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5

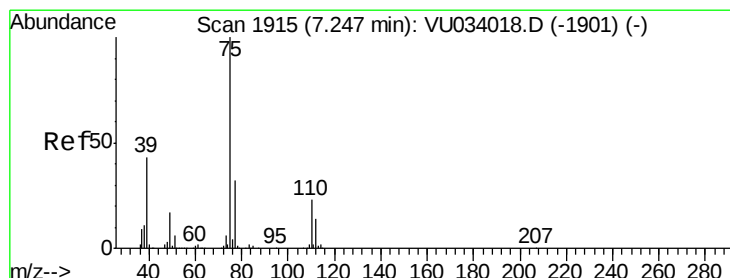
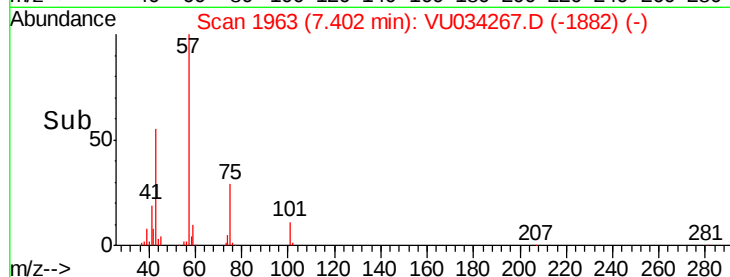
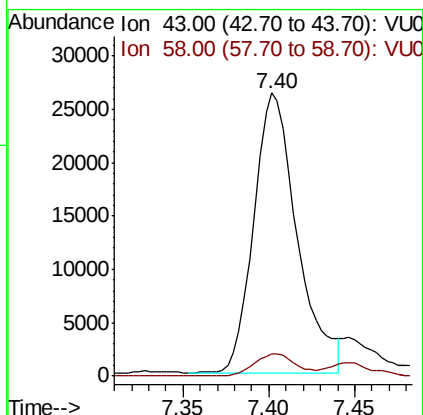
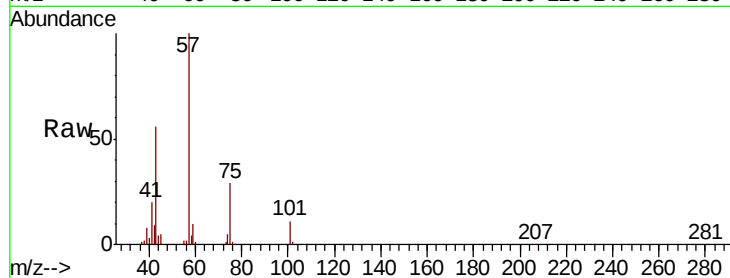




#51
 4-Methyl-2-Pentanone
 Concen: 6.208 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. -0.04 min
 Lab File: VU034267.D
 Acq: 04 Sep 2019 18:51

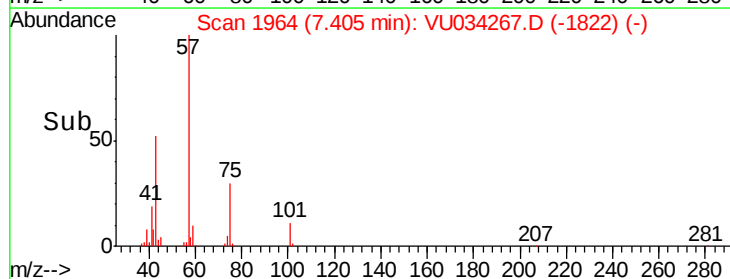
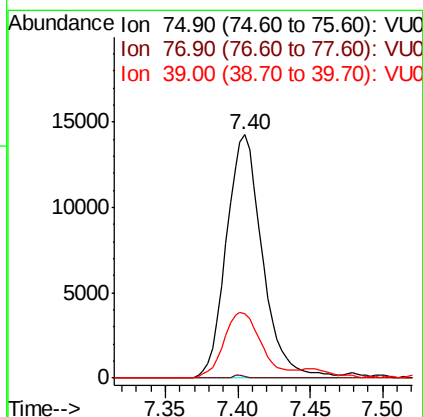
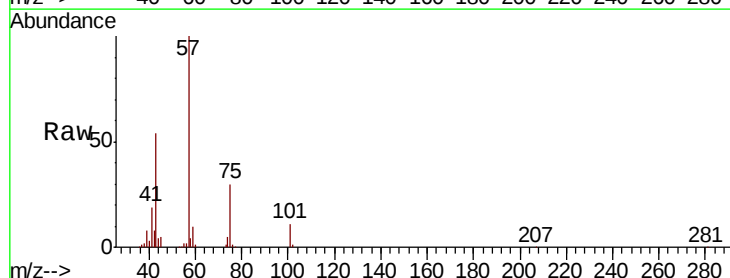
Instrument :
 MSVOA_U
 ClientSampleId :
 T11-1-(0)

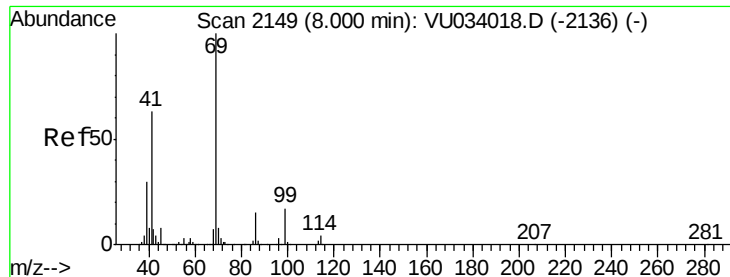
Tgt Ion: 43 Resp: 45856
 Ion Ratio Lower Upper
 43 100
 58 7.7 32.2 48.4#



#54
 cis-1,3-Dichloropropene
 Concen: 3.078 ug/l
 RT: 7.40 min Scan# 1964
 Delta R.T. 0.16 min
 Lab File: VU034267.D
 Acq: 04 Sep 2019 18:51

Tgt Ion: 75 Resp: 24592
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.2 37.8#
 39 26.5 34.6 51.8#





#56

Ethyl methacrylate

Concen: 0.983 ug/l

RT: 7.96 min Scan# 2137

Delta R.T. -0.04 min

Lab File: VU034267.D

Acq: 04 Sep 2019 18:51

Instrument :

MSVOA_U

ClientSampleId :

T11-1-(0)

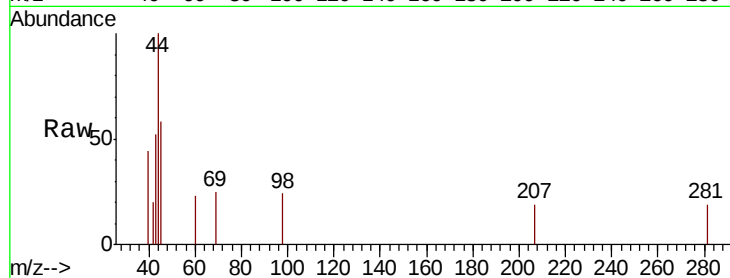
Tgt Ion: 69 Resp: 95

Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

39 0.0 24.2 36.2#

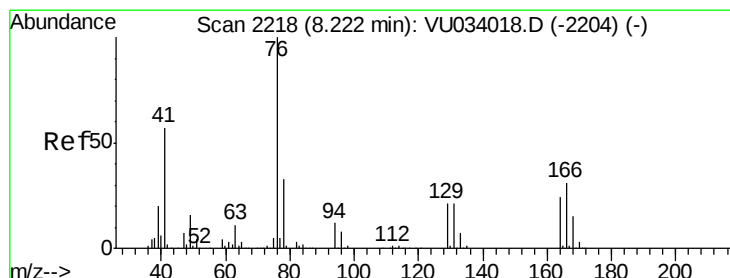
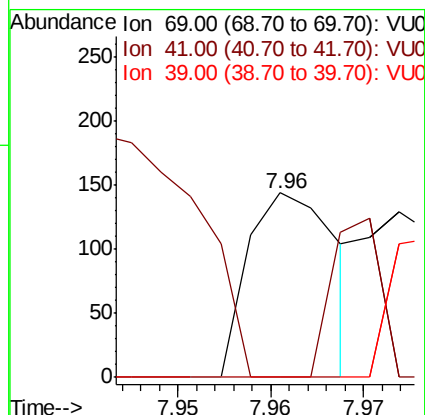
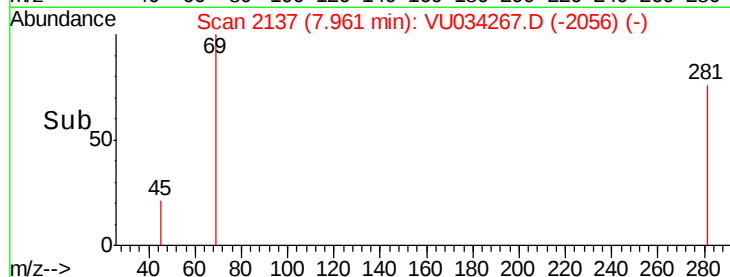


Abundance Ion 69.00 (68.70 to 69.70): VU034018.D (-2136) (-)

Ion 41.00 (40.70 to 41.70): VU034018.D (-2136) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-2136) (-)

Time-->



#57

1,3-Dichloropropane

Concen: 0.278 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.18 min

Lab File: VU034267.D

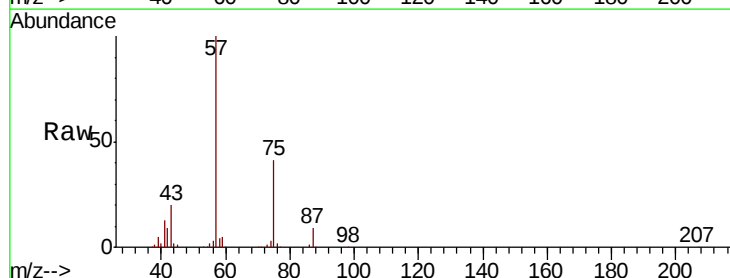
Acq: 04 Sep 2019 18:51

Tgt Ion: 76 Resp: 2335

Ion Ratio Lower Upper

76 100

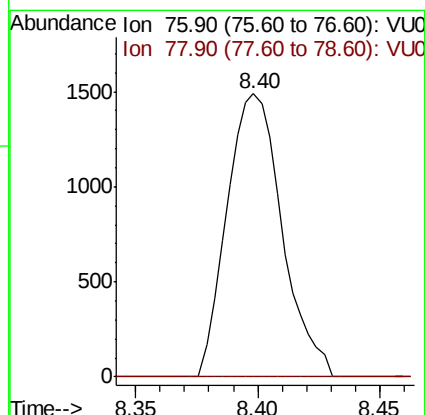
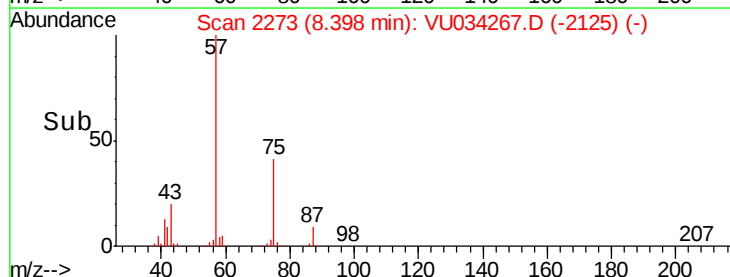
78 0.0 26.2 39.4#

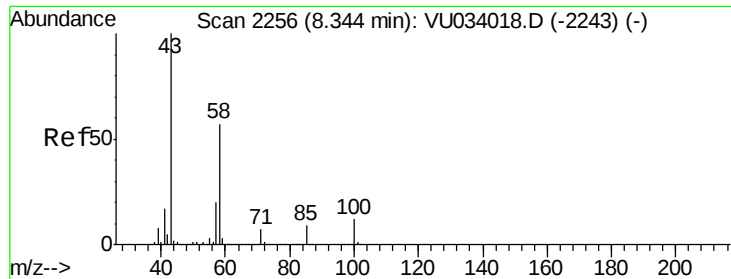


Abundance Ion 75.90 (75.60 to 76.60): VU034018.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU034018.D (-2204) (-)

Time-->

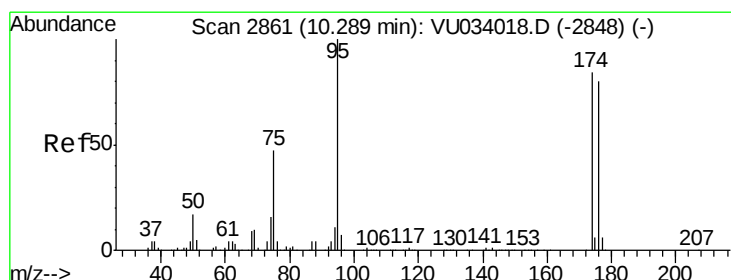
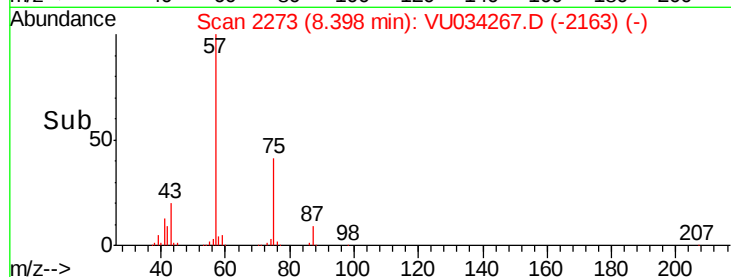
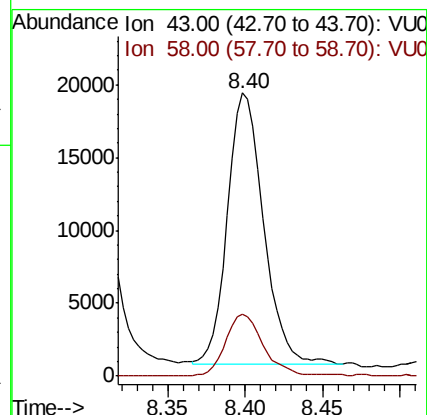
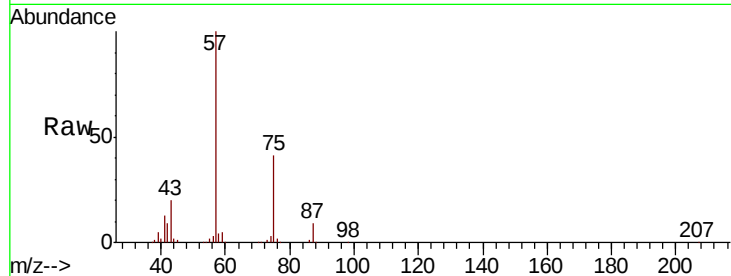




#59
2-Hexanone
Concen: 5.394 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.05 min
Lab File: VU034267.D
Acq: 04 Sep 2019 18:51

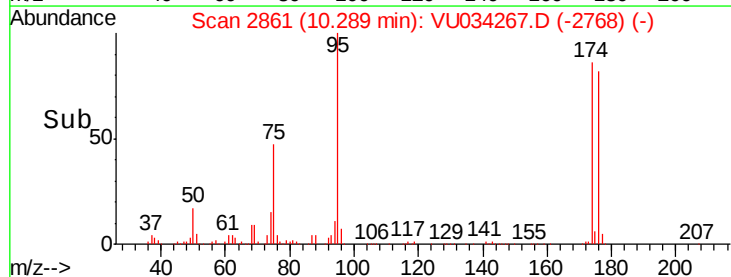
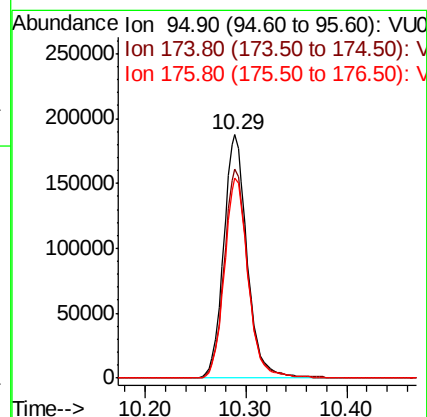
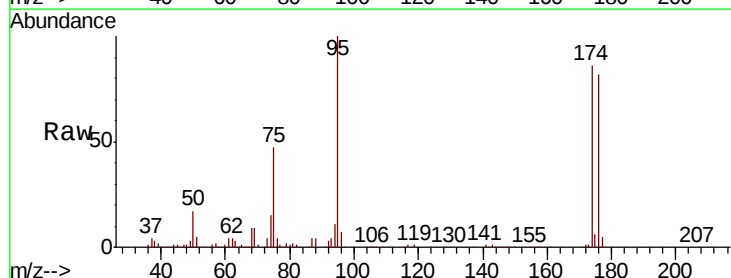
Instrument :
MSVOA_U
ClientSampleId :
T11-1-(0)

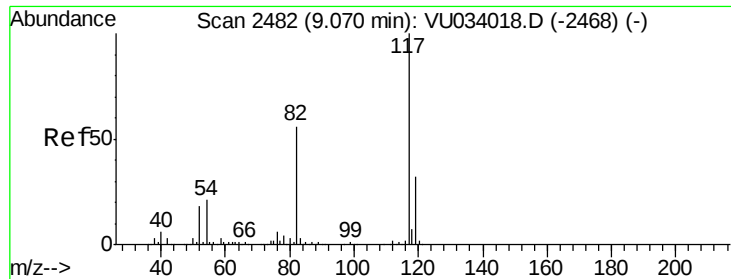
Tgt Ion: 43 Resp: 30077
Ion Ratio Lower Upper
43 100
58 24.2 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 45.560 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034267.D
Acq: 04 Sep 2019 18:51

Tgt Ion: 95 Resp: 305512
Ion Ratio Lower Upper
95 100
174 87.1 0.0 168.8
176 83.1 0.0 161.8

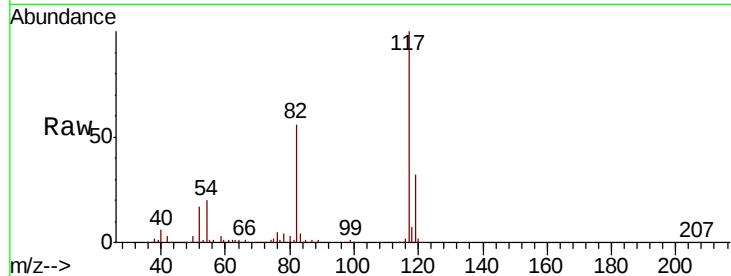




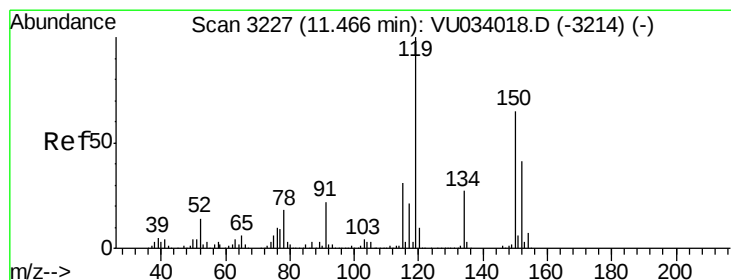
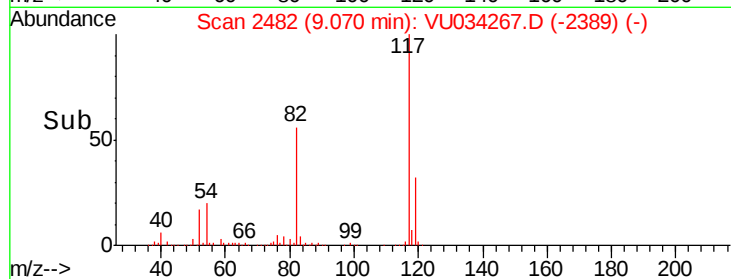
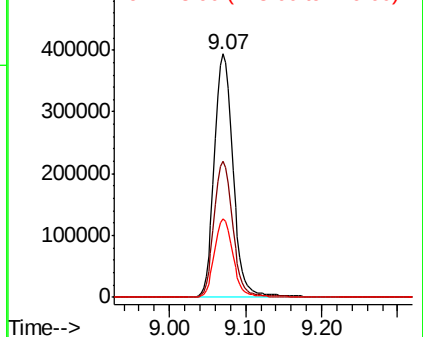
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034267.D
Acq: 04 Sep 2019 18:51

Instrument :
MSVOA_U
ClientSampleId :
T11-1-(0)

Tgt Ion:117 Resp: 675529
Ion Ratio Lower Upper
117 100
82 55.8 45.1 67.7
119 32.1 25.4 38.0

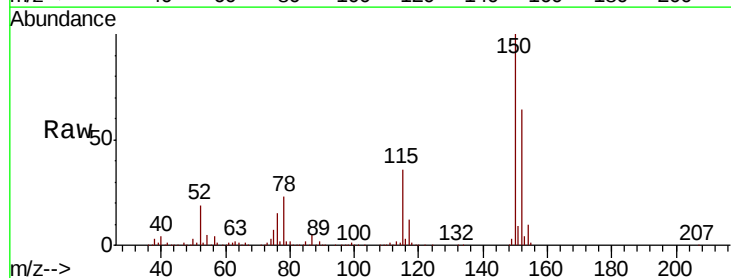


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

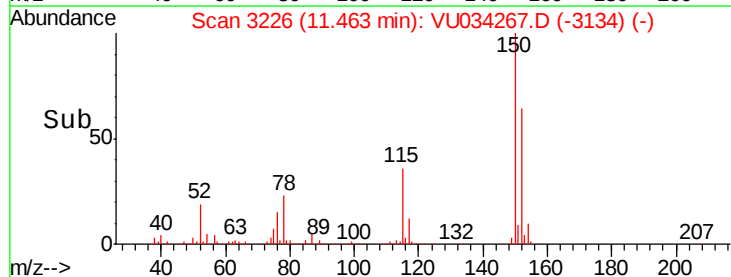
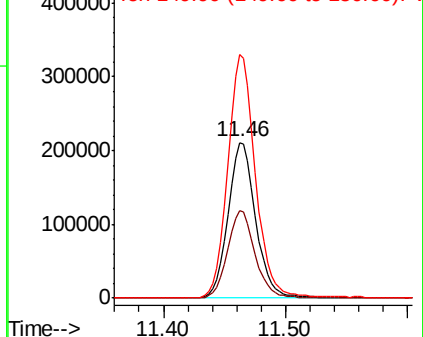


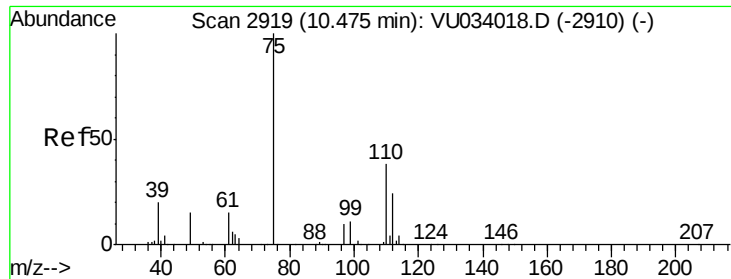
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034267.D
Acq: 04 Sep 2019 18:51

Tgt Ion:152 Resp: 334620
Ion Ratio Lower Upper
152 100
115 56.0 41.1 123.3
150 156.8 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

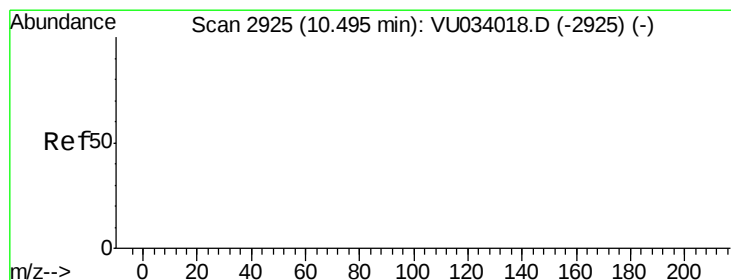
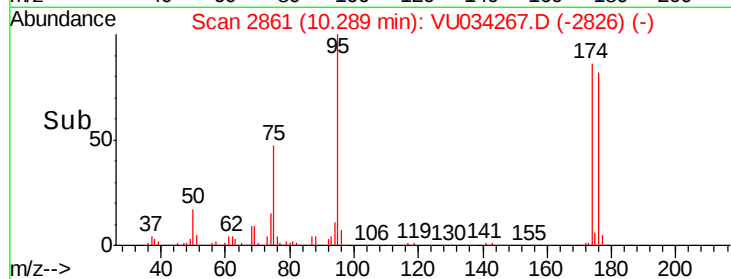
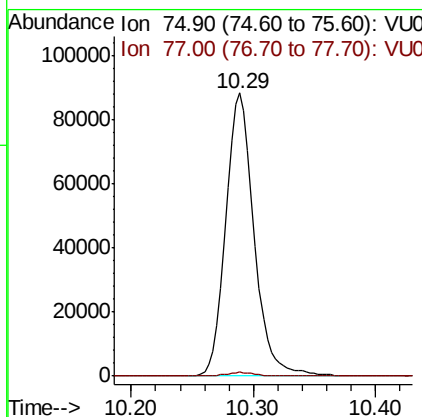
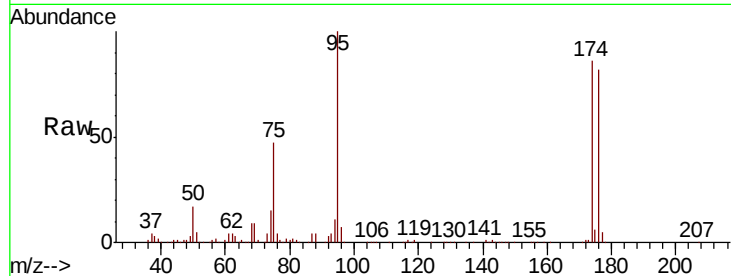




#76
 1,2,3-Trichloropropane
 Concen: 19.119 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034267.D
 Acq: 04 Sep 2019 18:51

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-1-(0)

Tgt Ion: 75 Resp: 144188
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.1 60.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.377 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.21 min
 Lab File: VU034267.D
 Acq: 04 Sep 2019 18:51

Tgt Ion: 75 Resp: 144188
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0

