

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083119\
 Data File : VU034109.D
 Acq On : 30 Aug 2019 19:23
 Operator : JC/SP
 Sample : K4529-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T9-12-13-T3-(1.9)

Quant Time: Aug 31 03:41:20 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	522510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	847955	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	805165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	414777	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	314597	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
35) Dibromofluoromethane	4.86	113	261286	44.43	ug/l	0.00
Spiked Amount			Recovery	=	88.86%	
50) Toluene-d8	7.55	98	1058465	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	10.29	95	390637	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	882	Below Cal	#	88
5) Bromomethane	1.63	94	731	Below Cal		98
8) Diethyl Ether	2.10	74	1752	0.505	ug/l	85
11) Tert butyl alcohol	2.82	59	4123	2.670	ug/l #	73
13) Acrolein	2.19	56	369	0.568	ug/l #	14
16) Acetone	2.31	43	22656	6.632	ug/l	92
18) Methyl Acetate	2.61	43	5084	0.576	ug/l #	89
20) Methylene Chloride	2.69	84	9922	1.534	ug/l	99
29) Tetrahydrofuran	4.65	42	655	0.223	ug/l #	38
31) Cyclohexane	4.96	56	9095	0.910	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	37793	4.712	ug/l #	48
38) Carbon Tetrachloride	4.96	117	46751	6.039	ug/l #	16
43) Isopropyl Acetate	5.53	43	117299	8.584	ug/l	99
48) Methyl methacrylate	6.52	41	6442	0.977	ug/l #	14
49) 1,4-Dioxane	6.68	88	240	1.453	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	102066	10.816	ug/l #	46
54) cis-1,3-Dichloropropene	7.40	75	54363	5.326	ug/l #	59
56) Ethyl methacrylate	7.98	69	129	0.984	ug/l #	27
57) 1,3-Dichloropropane	8.40	76	9761	0.909	ug/l #	42
59) 2-Hexanone	8.40	43	125631	17.636	ug/l #	51
74) N-amyl acetate	9.92	43	6896	0.589	ug/l #	47
76) 1,2,3-Trichloropropane	10.29	75	183072	19.583	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	183072	65.942	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	102	1.125	ug/l #	70
95) Naphthalene	13.76	128	994	1.827	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034109.D

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Instrument :

MSVOA_U

ClientSampleId :

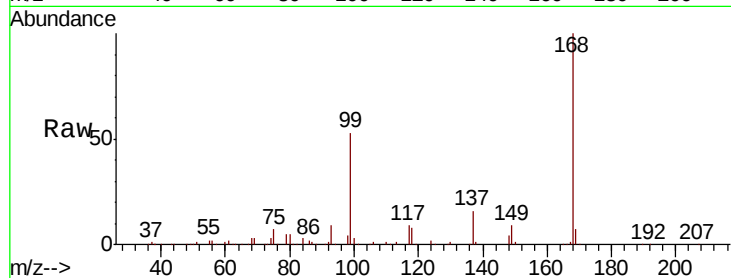
T9-12-13-T3-(1.9)

Tgt Ion:168 Resp: 522510

Ion Ratio Lower Upper

168 100

99 52.9 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

250000

200000

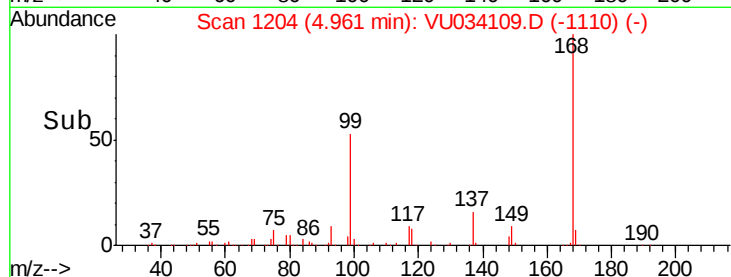
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034109.D

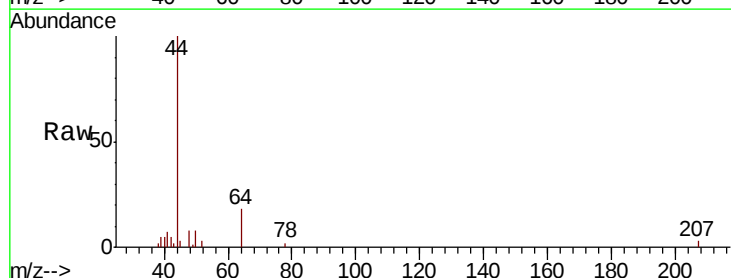
Acq: 30 Aug 2019 19:23

Tgt Ion: 50 Resp: 882

Ion Ratio Lower Upper

50 100

52 39.6 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

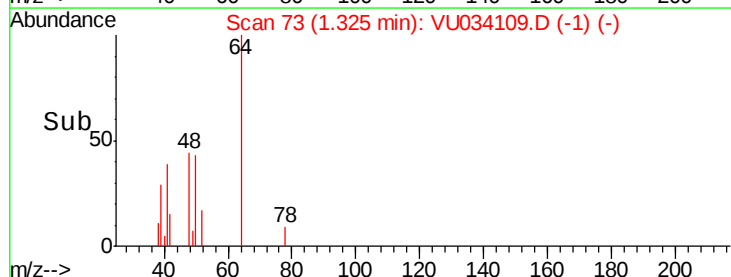
600

400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.03 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

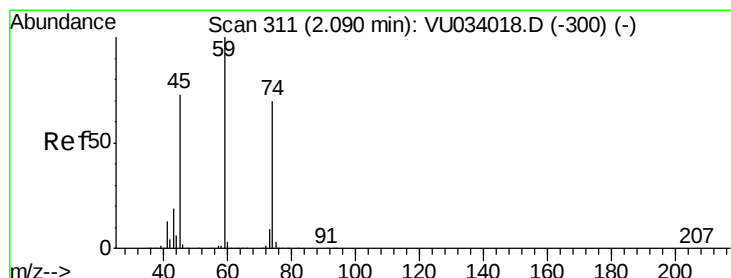
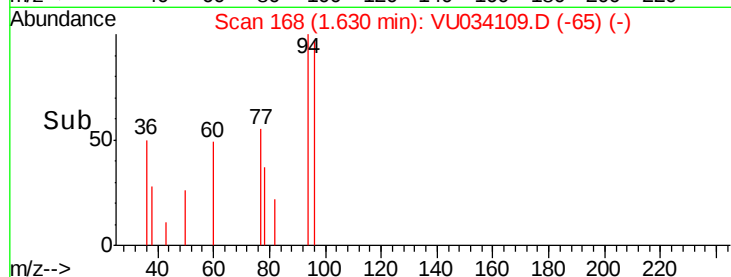
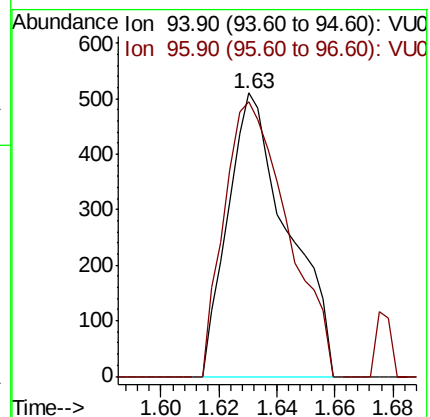
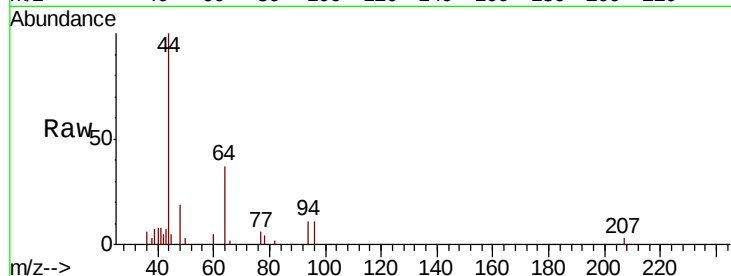
T9-12-13-T3-(1.9)

Tgt Ion: 94 Resp: 731

Ion Ratio Lower Upper

94 100

96 97.1 76.3 114.5



#8

Diethyl Ether

Concen: 0.505 ug/l

RT: 2.10 min Scan# 313

Delta R.T. 0.01 min

Lab File: VU034109.D

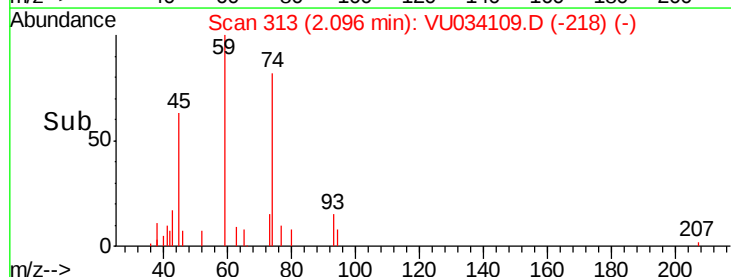
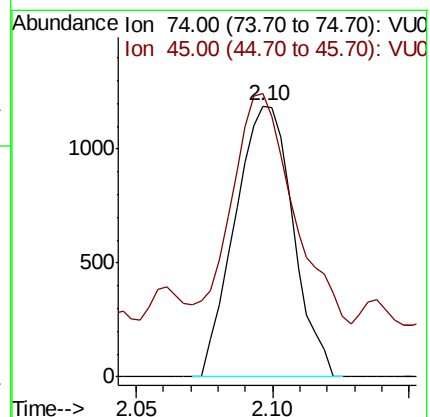
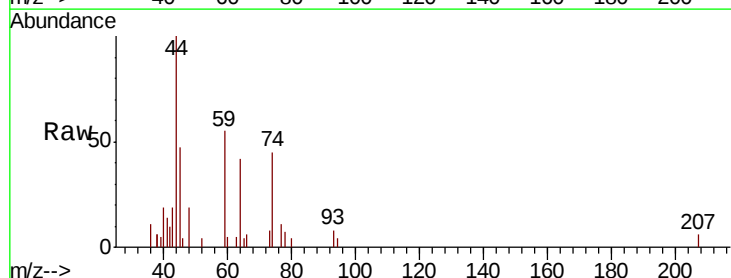
Acq: 30 Aug 2019 19:23

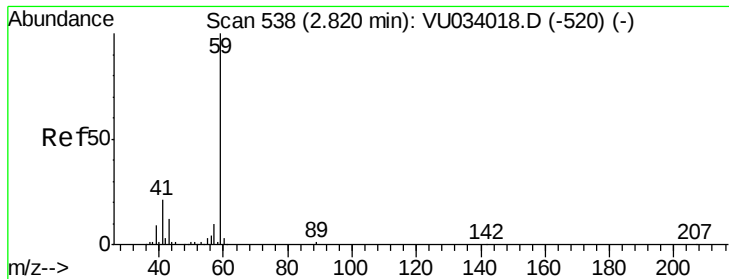
Tgt Ion: 74 Resp: 1752

Ion Ratio Lower Upper

74 100

45 88.5 51.8 155.5



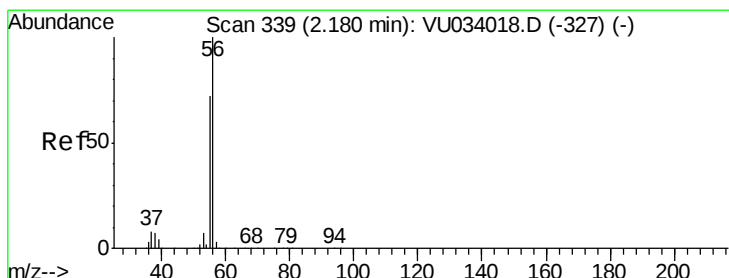
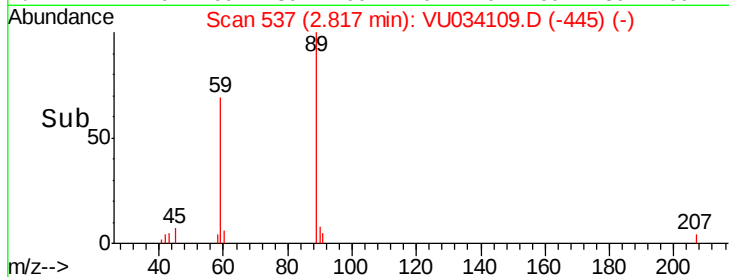
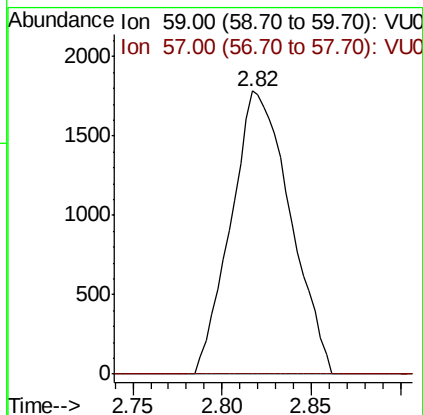
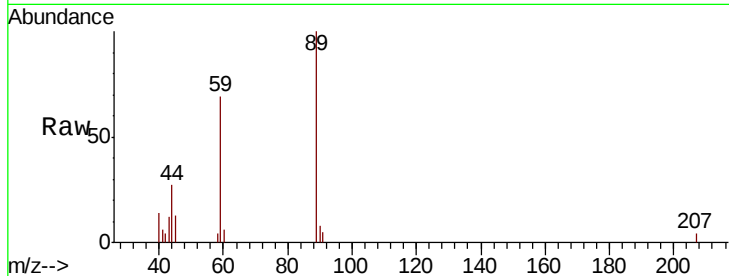


#11

Tert butyl alcohol
 Concen: 2.670 ug/l
 RT: 2.82 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: VU034109.D
 Acq: 30 Aug 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 T9-12-13-T3-(1.9)

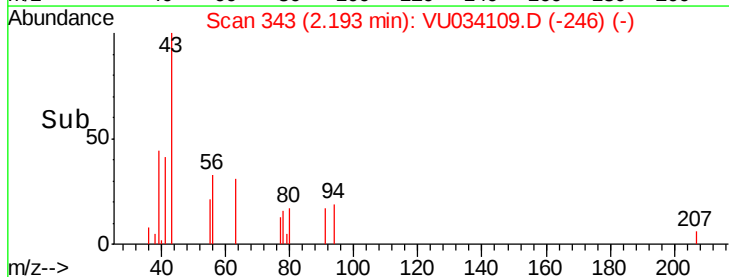
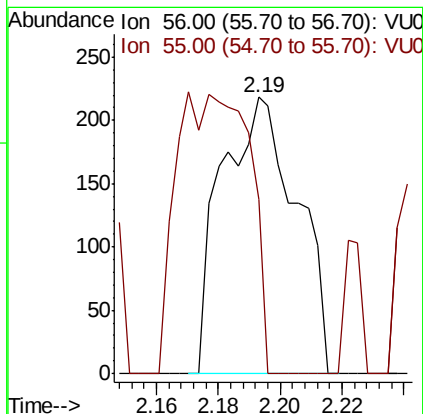
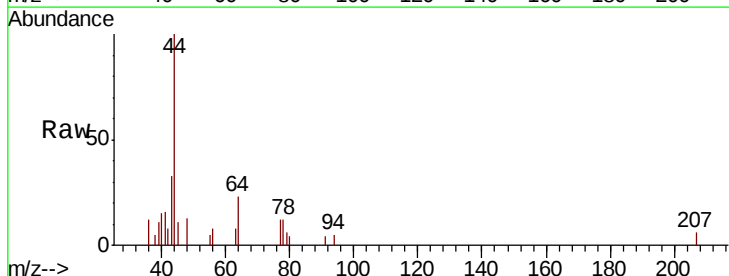
Tgt Ion: 59 Resp: 4123
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

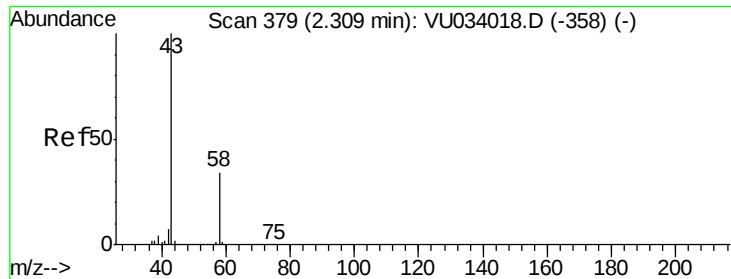


#13

Acrolein
 Concen: 0.568 ug/l
 RT: 2.19 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VU034109.D
 Acq: 30 Aug 2019 19:23

Tgt Ion: 56 Resp: 369
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.1 85.7#





#16

Acetone

Concen: 6.632 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

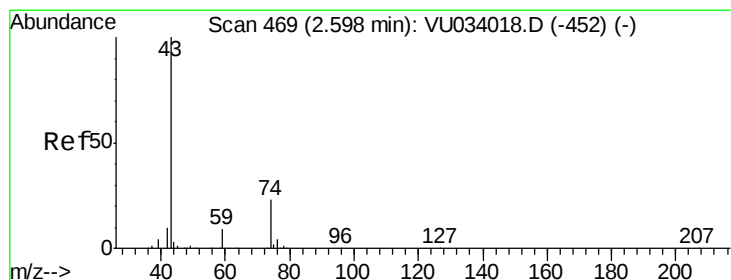
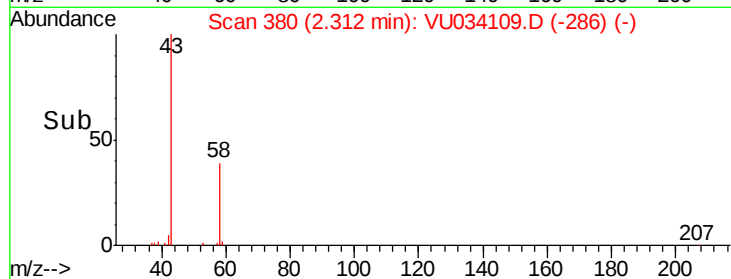
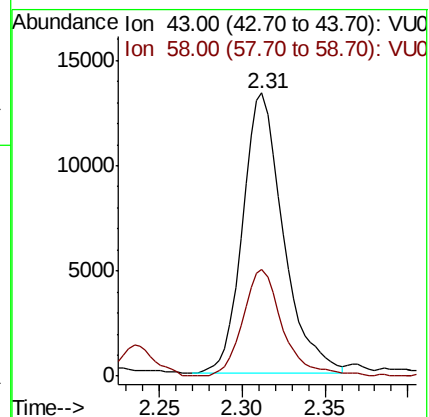
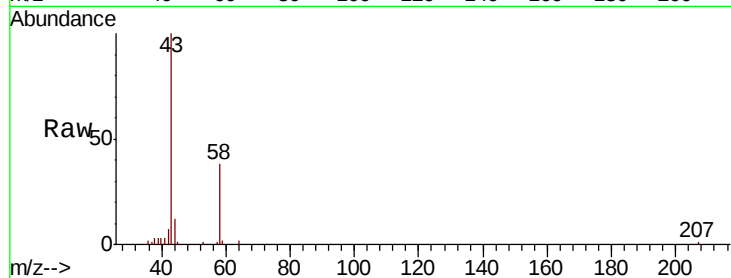
T9-12-13-T3-(1.9)

Tgt Ion: 43 Resp: 22656

Ion Ratio Lower Upper

43 100

58 38.1 26.8 40.2



#18

Methyl Acetate

Concen: 0.576 ug/l

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034109.D

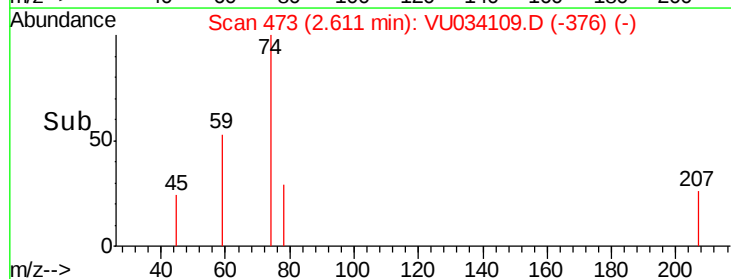
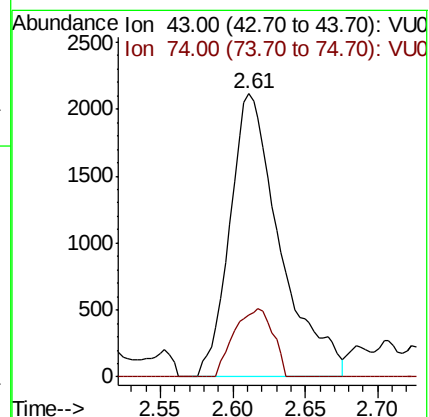
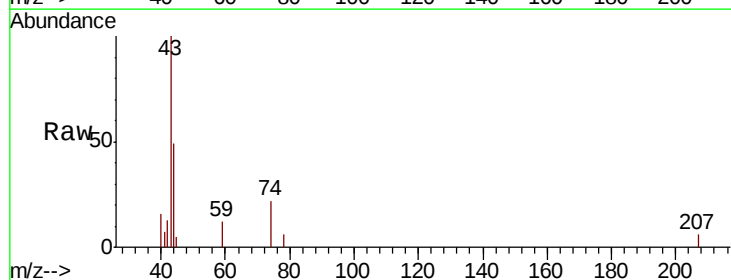
Acq: 30 Aug 2019 19:23

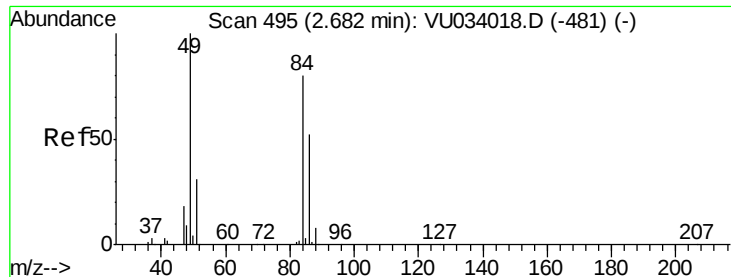
Tgt Ion: 43 Resp: 5084

Ion Ratio Lower Upper

43 100

74 18.6 19.2 28.8#

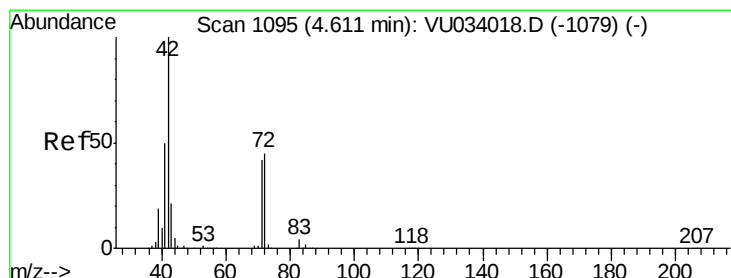
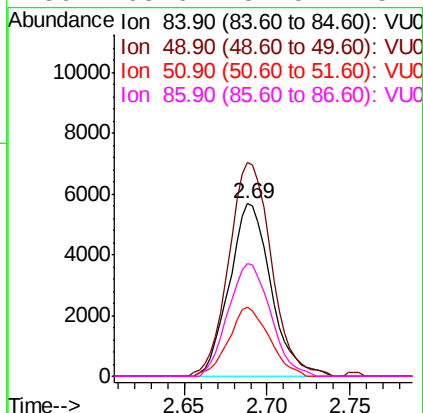
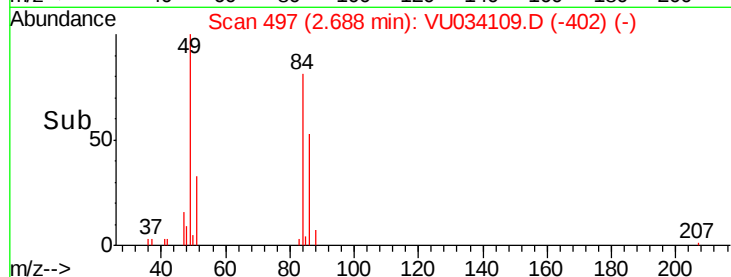
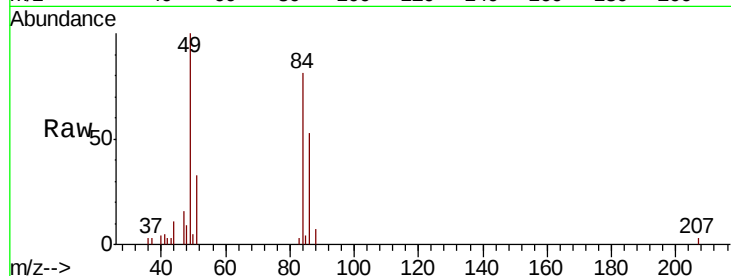




#20
Methylene Chloride
Concen: 1.534 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034109.D
Acq: 30 Aug 2019 19:23

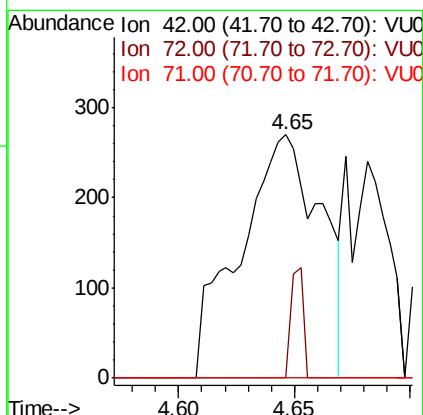
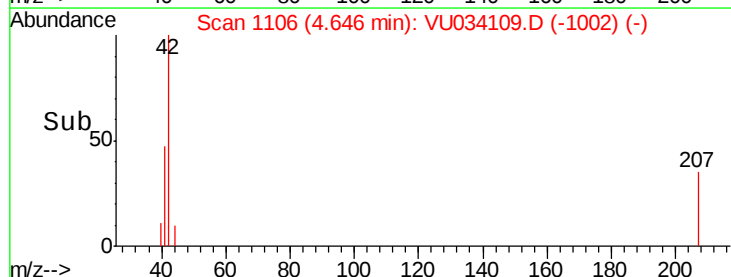
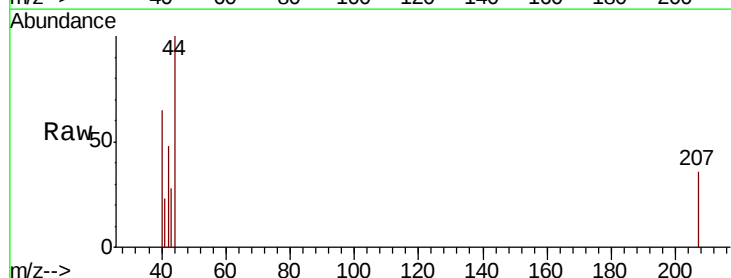
Instrument :
MSVOA_U
ClientSampleId :
T9-12-13-T3-(1.9)

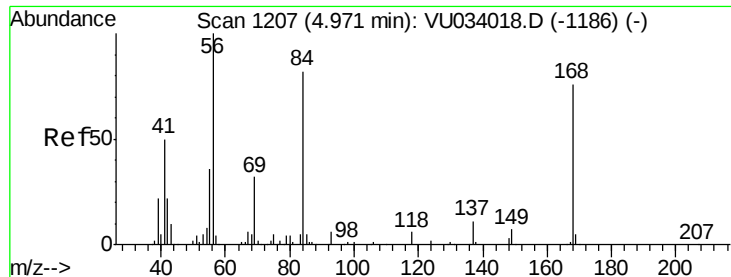
Tgt Ion:	84	Resp:	9922
Ion	Ratio	Lower	Upper
84	100		
49	123.8	100.2	150.4
51	40.3	30.8	46.2
86	65.6	52.5	78.7



#29
Tetrahydrofuran
Concen: 0.223 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.04 min
Lab File: VU034109.D
Acq: 30 Aug 2019 19:23

Tgt Ion:	42	Resp:	655
Ion	Ratio	Lower	Upper
42	100		
72	7.0	35.8	53.6#
71	0.0	34.0	51.0#

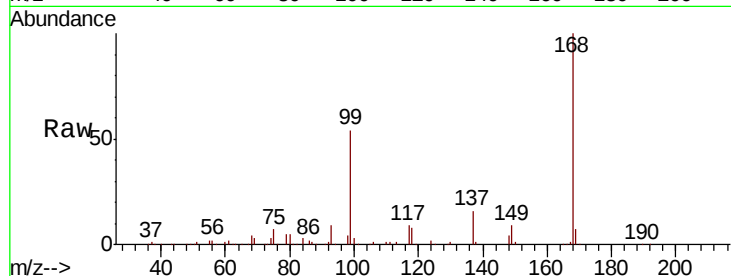




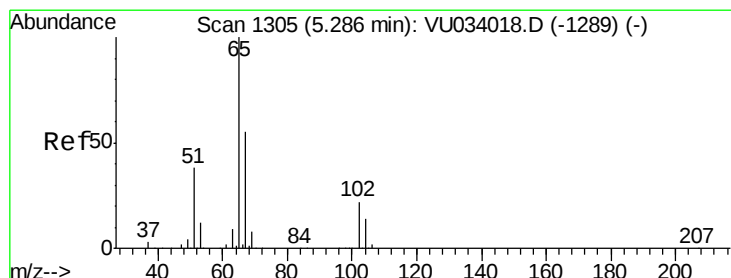
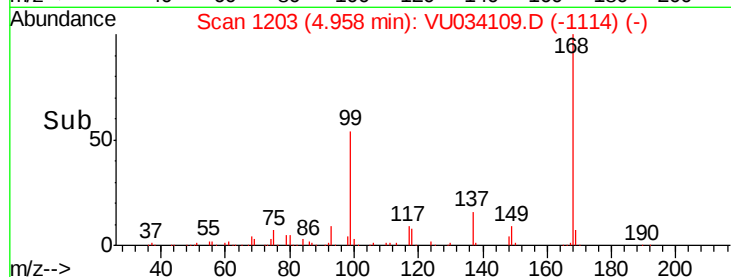
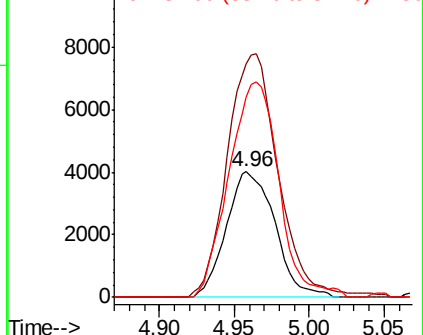
#31
Cyclohexane
Concen: 0.910 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VU034109.D
Acq: 30 Aug 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
T9-12-13-T3-(1.9)

Tgt Ion: 56 Resp: 9095
Ion Ratio Lower Upper
56 100
69 185.4 25.4 38.0#
84 159.4 65.8 98.8#

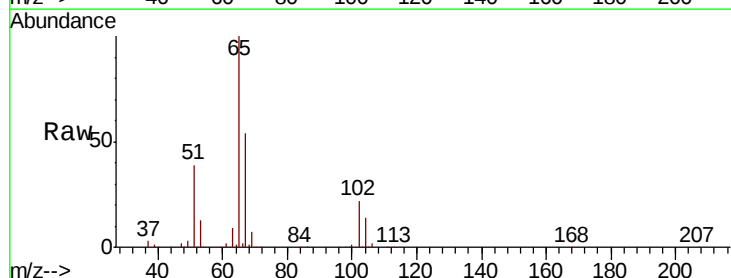


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

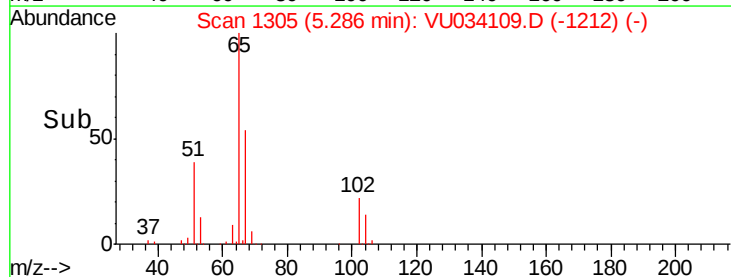
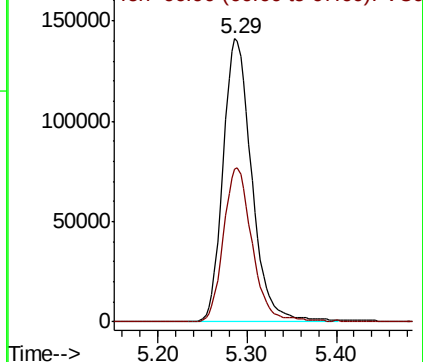


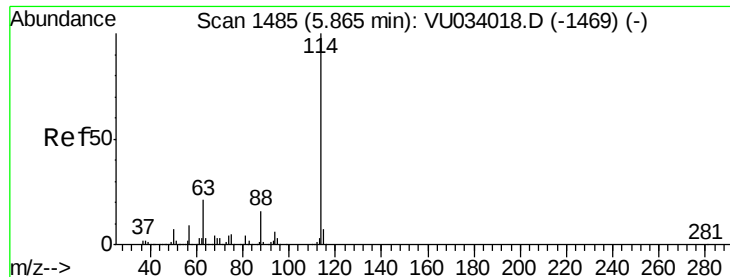
#33
1,2-Dichloroethane-d4
Concen: 46.989 ug/l
RT: 5.29 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VU034109.D
Acq: 30 Aug 2019 19:23

Tgt Ion: 65 Resp: 314597
Ion Ratio Lower Upper
65 100
67 54.5 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

T9-12-13-T3-(1.9)

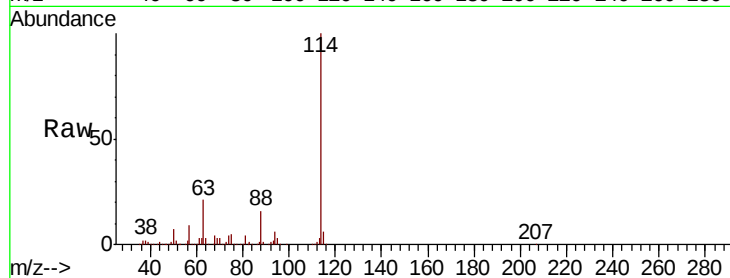
Tgt Ion:114 Resp: 847955

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.0

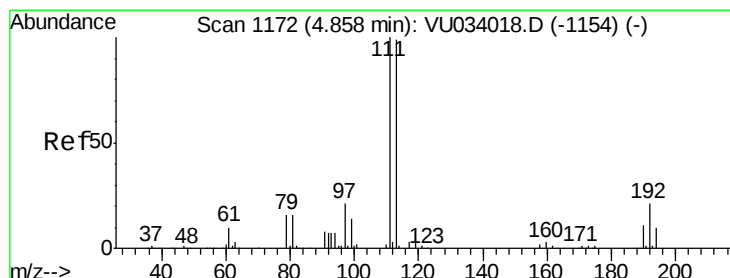
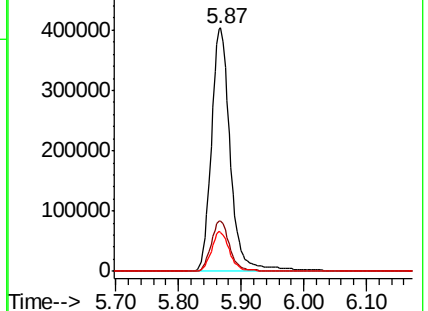
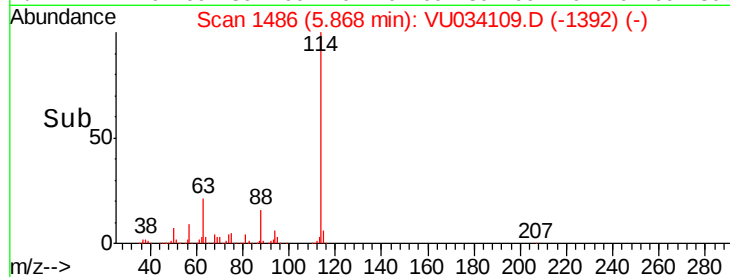
88 16.1 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 44.426 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

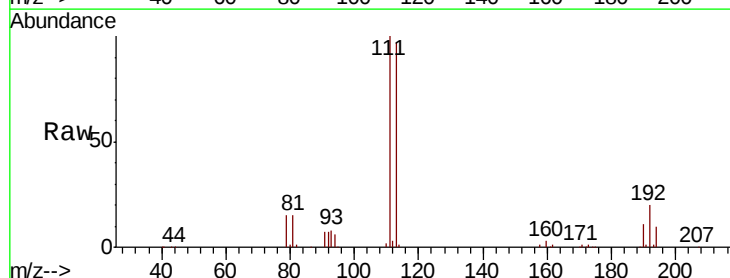
Tgt Ion:113 Resp: 261286

Ion Ratio Lower Upper

113 100

111 103.3 81.7 122.5

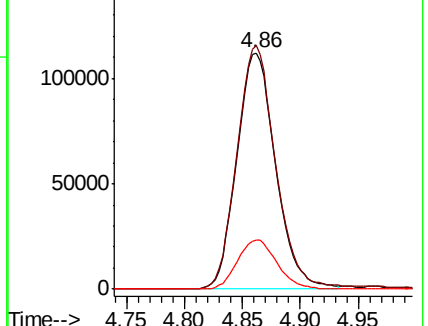
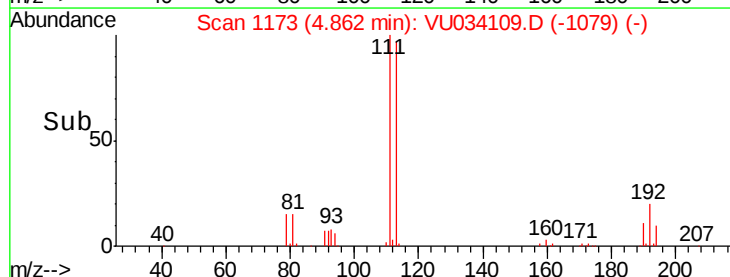
192 21.3 17.1 25.7

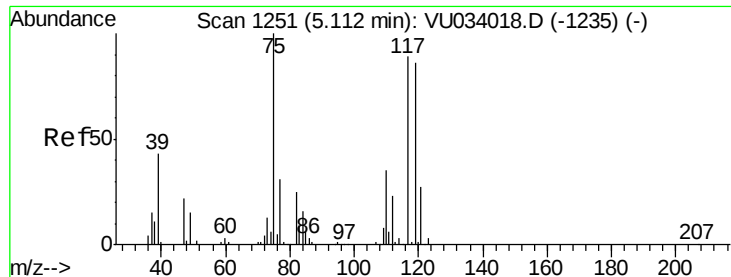


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

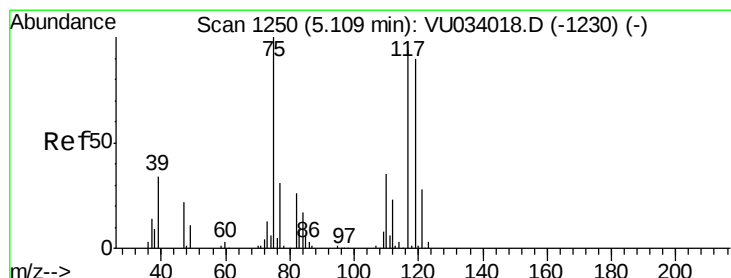
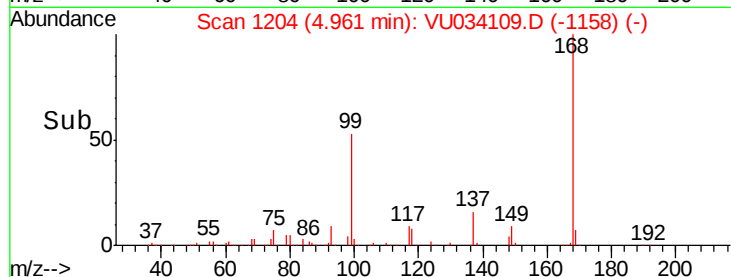
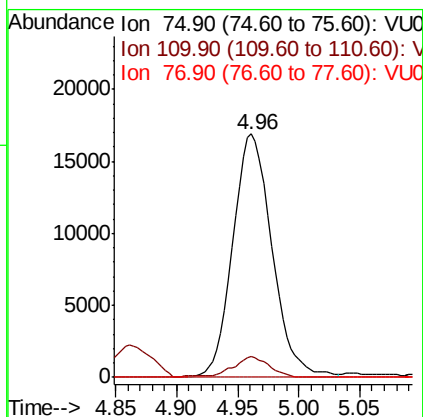
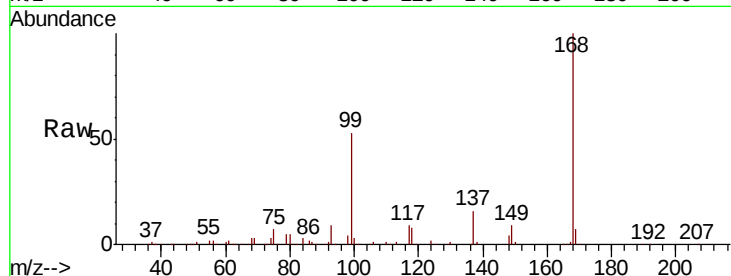




#36
 1,1-Dichloropropene
 Concen: 4.712 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034109.D
 Acq: 30 Aug 2019 19:23

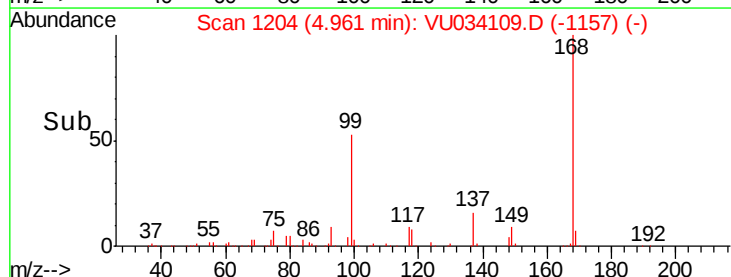
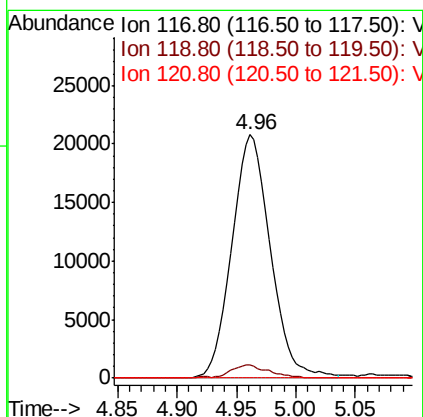
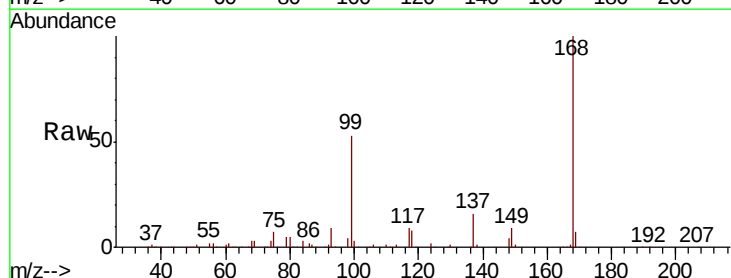
Instrument :
 MSVOA_U
 ClientSampleId :
 T9-12-13-T3-(1.9)

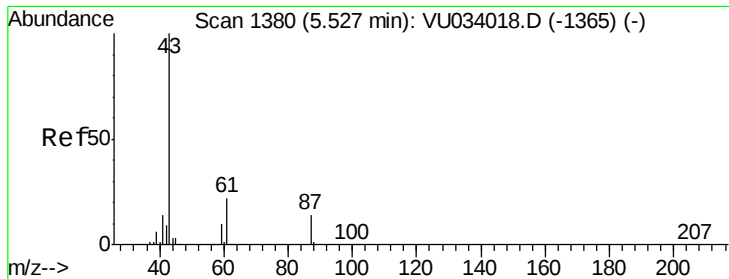
Tgt Ion: 75 Resp: 37793
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.8 53.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.039 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034109.D
 Acq: 30 Aug 2019 19:23

Tgt Ion: 117 Resp: 46751
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.0 115.4#
 121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 8.584 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

T9-12-13-T3-(1.9)

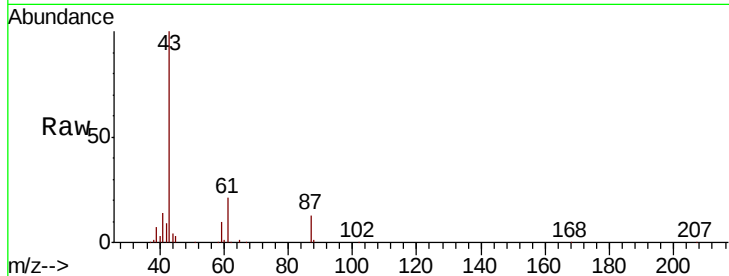
Tgt Ion: 43 Resp: 117299

Ion Ratio Lower Upper

43 100

61 21.2 17.2 25.8

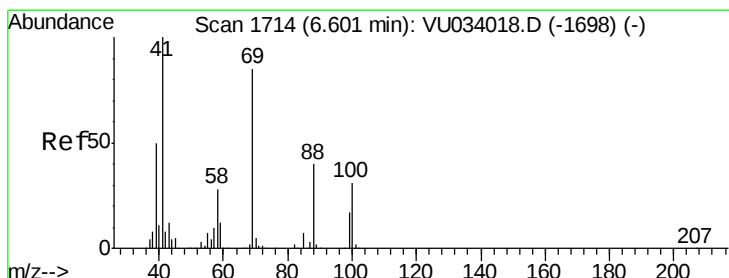
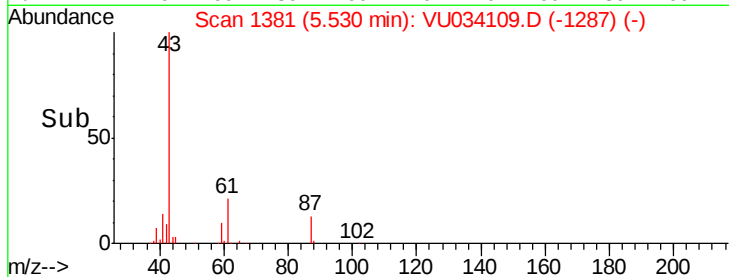
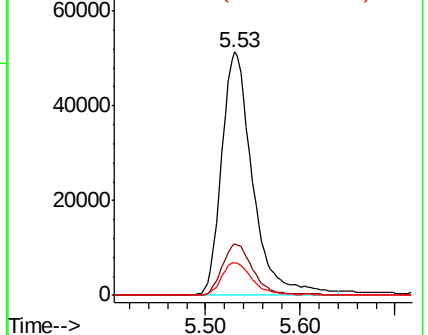
87 13.2 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VU034109.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034109.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034109.D (-1287) (-)



#48

Methyl methacrylate

Concen: 0.977 ug/l

RT: 6.52 min Scan# 1690

Delta R.T. -0.08 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

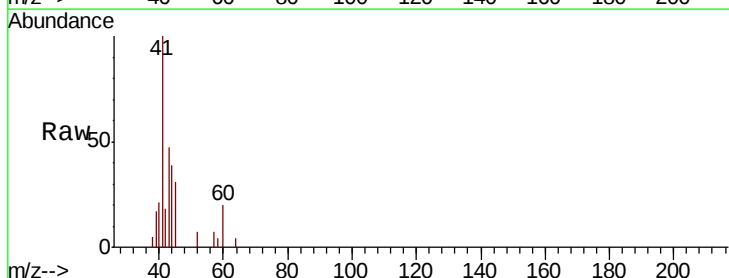
Tgt Ion: 41 Resp: 6442

Ion Ratio Lower Upper

41 100

69 0.0 69.5 104.3#

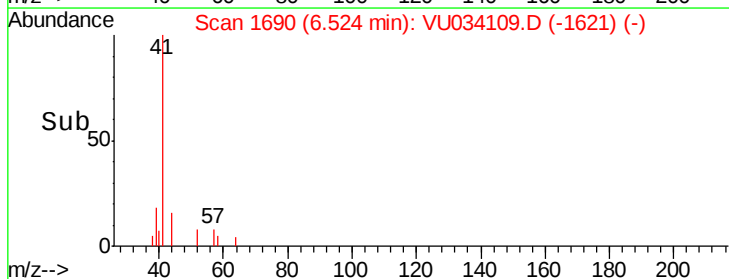
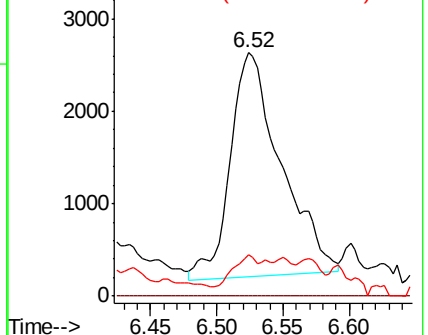
39 0.0 40.3 60.5#

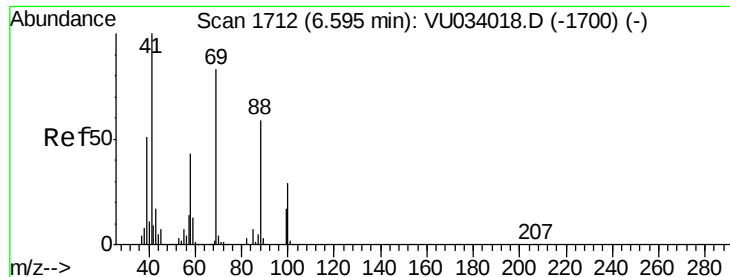


Abundance Ion 41.00 (40.70 to 41.70): VU034109.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034109.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034109.D (-1621) (-)





#49

1,4-Dioxane

Concen: 1.453 ug/l

RT: 6.68 min Scan# 1738

Delta R.T. 0.08 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

T9-12-13-T3-(1.9)

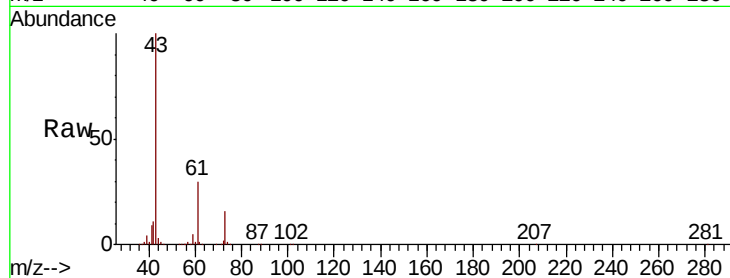
Tgt Ion: 88 Resp: 240

Ion Ratio Lower Upper

88 100

43 870361.2 24.8 37.2#

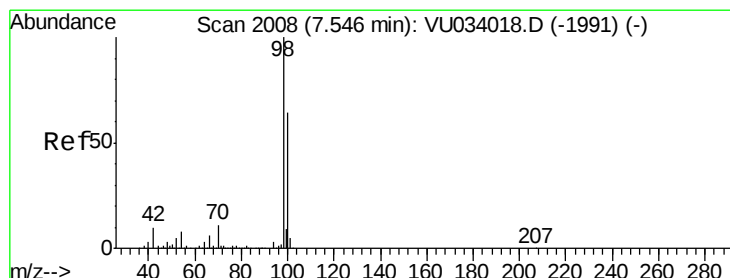
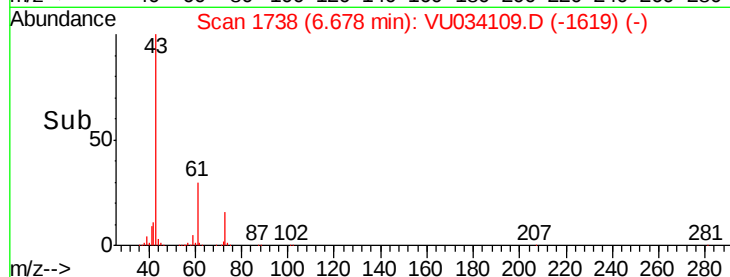
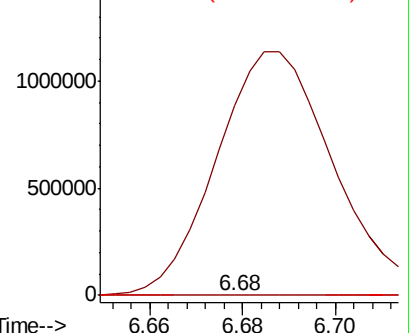
58 3712.1 59.3 88.9#



Abundance Ion 88.00 (87.70 to 88.70): VU034109.D (-1738) (-)

Ion 43.00 (42.70 to 43.70): VU034109.D (-1738) (-)

Ion 58.00 (57.70 to 58.70): VU034109.D (-1738) (-)



#50

Toluene-d8

Concen: 48.064 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034109.D

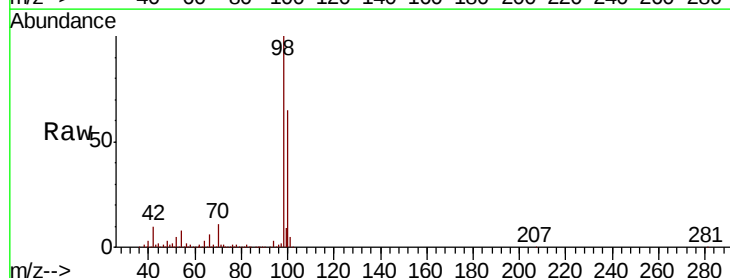
Acq: 30 Aug 2019 19:23

Tgt Ion: 98 Resp: 1058465

Ion Ratio Lower Upper

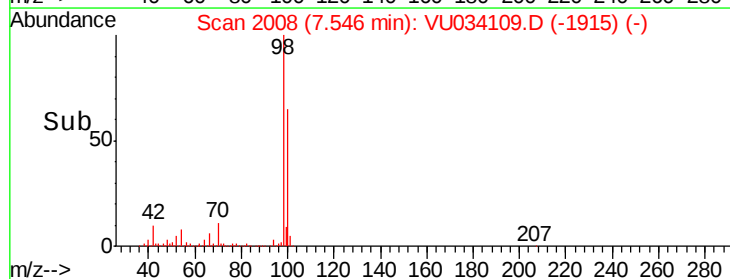
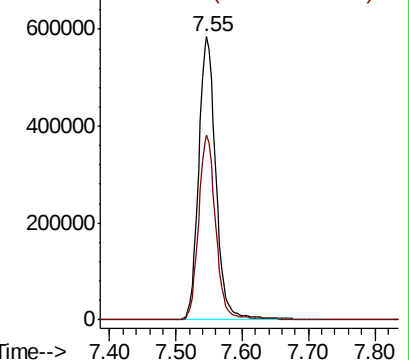
98 100

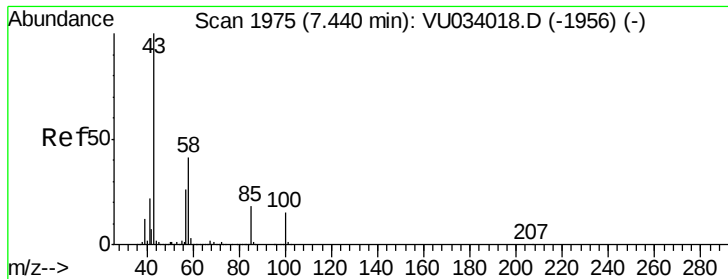
100 64.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034109.D (-2008) (-)

Ion 100.00 (99.70 to 100.70): VU034109.D (-2008) (-)





#51

4-Methyl-2-Pentanone

Concen: 10.816 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

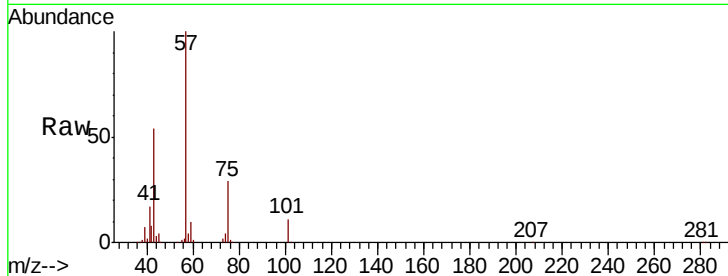
T9-12-13-T3-(1.9)

Tgt Ion: 43 Resp: 102066

Ion Ratio Lower Upper

43 100

58 6.8 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VU034109.D (-1963) (-)

Ion 58.00 (57.70 to 58.70): VU034109.D (-1963) (-)

7.40

60000

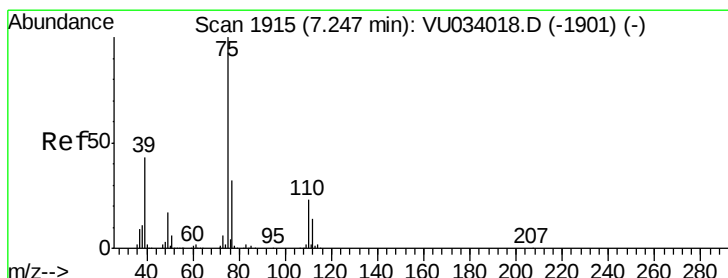
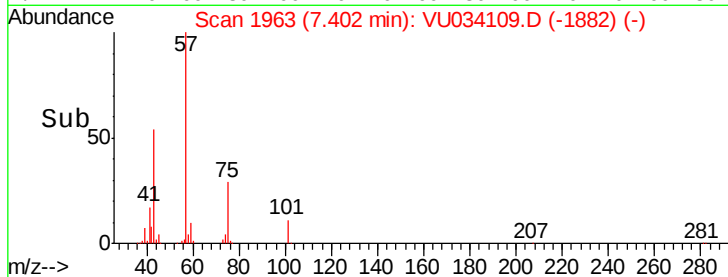
40000

20000

0

7.30 7.35 7.40 7.45

Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.326 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. 0.15 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

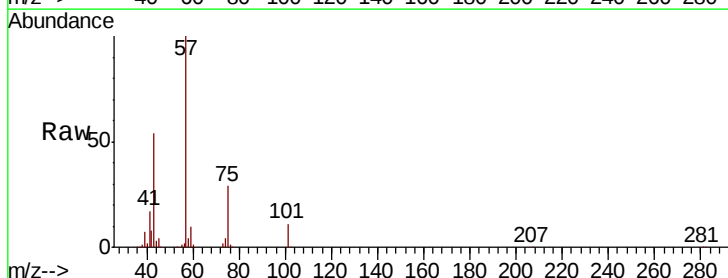
Tgt Ion: 75 Resp: 54363

Ion Ratio Lower Upper

75 100

77 0.7 25.2 37.8#

39 24.1 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VU034109.D (-1963) (-)

Ion 76.90 (76.60 to 77.60): VU034109.D (-1963) (-)

Ion 39.00 (38.70 to 39.70): VU034109.D (-1963) (-)

7.40

40000

30000

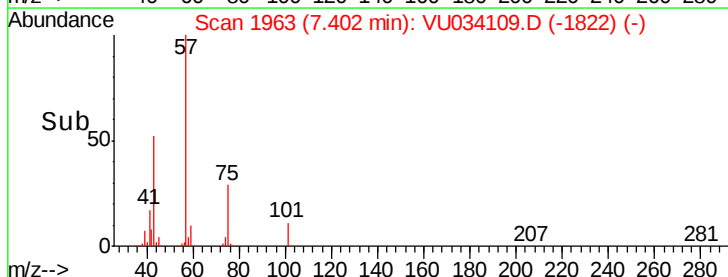
20000

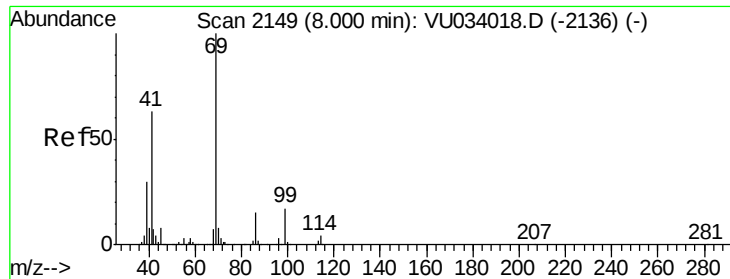
10000

0

7.35 7.40 7.45 7.50

Time-->





#56

Ethyl methacrylate

Concen: 0.984 ug/l

RT: 7.98 min Scan# 2142

Delta R.T. -0.02 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

T9-12-13-T3-(1.9)

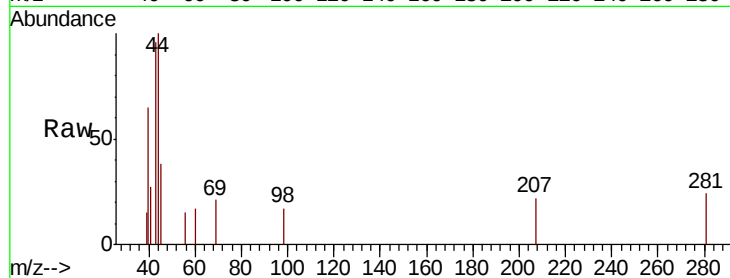
Tgt Ion: 69 Resp: 129

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): VU034109.D (-2055) (-)

Ion 41.00 (40.70 to 41.70): VU034109.D (-2055) (-)

Ion 39.00 (38.70 to 39.70): VU034109.D (-2055) (-)

7.98

7.97

7.96

7.95

7.94

7.93

7.92

7.91

7.90

7.89

7.88

7.87

7.86

7.85

7.84

7.83

7.82

7.81

7.80

7.79

7.78

7.77

7.76

7.75

7.74

7.73

7.72

7.71

7.70

7.69

7.68

7.67

7.66

7.65

7.64

7.63

7.62

7.61

7.60

7.59

7.58

7.57

7.56

7.55

7.54

7.53

7.52

7.51

7.50

7.49

7.48

7.47

7.46

7.45

7.44

7.43

7.42

7.41

7.40

7.39

7.38

7.37

7.36

7.35

7.34

7.33

7.32

7.31

7.30

7.29

7.28

7.27

7.26

7.25

7.24

7.23

7.22

7.21

7.20

7.19

7.18

7.17

7.16

7.15

7.14

7.13

7.12

7.11

7.10

7.09

7.08

7.07

7.06

7.05

7.04

7.03

7.02

7.01

7.00

6.99

6.98

6.97

6.96

6.95

6.94

6.93

6.92

6.91

6.90

6.89

6.88

6.87

6.86

6.85

6.84

6.83

6.82

6.81

6.80

6.79

6.78

6.77

6.76

6.75

6.74

6.73

6.72

6.71

6.70

6.69

6.68

6.67

6.66

6.65

6.64

6.63

6.62

6.61

6.60

6.59

6.58

6.57

6.56

6.55

6.54

6.53

6.52

6.51

6.50

6.49

6.48

6.47

6.46

6.45

6.44

6.43

6.42

6.41

6.40

6.39

6.38

6.37

6.36

6.35

6.34

6.33

6.32

6.31

6.30

6.29

6.28

6.27

6.26

6.25

6.24

6.23

6.22

6.21

6.20

6.19

6.18

6.17

6.16

6.15

6.14

6.13

6.12

6.11

6.10

6.09

6.08

6.07

6.06

6.05

6.04

6.03

6.02

6.01

6.00

5.99

5.98

5.97

5.96

5.95

5.94

5.93

5.92

5.91

5.90

5.89

5.88

5.87

5.86

5.85

5.84

5.83

5.82

5.81

5.80

5.79

5.78

5.77

5.76

5.75

5.74

5.73

5.72

5.71

5.70

5.69

5.68

5.67

5.66

5.65

5.64

5.63

5.62

5.61

5.60

5.59

5.58

5.57

5.56

5.55

5.54

5.53

5.52

5.51

5.50

5.49

5.48

5.47

5.46

5.45

5.44

5.43

5.42

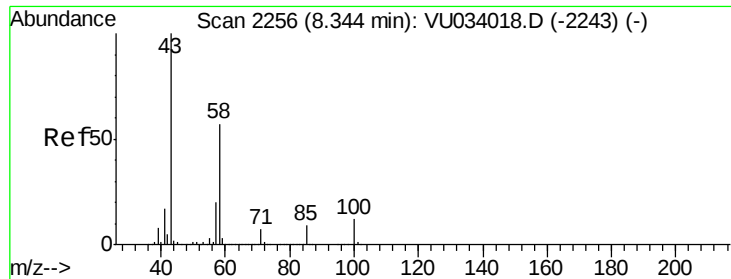
5.41

5.40

5.39

5.38

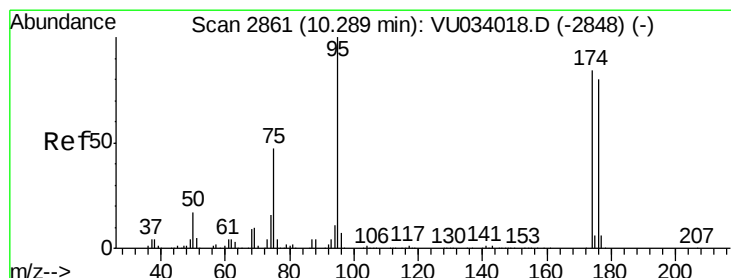
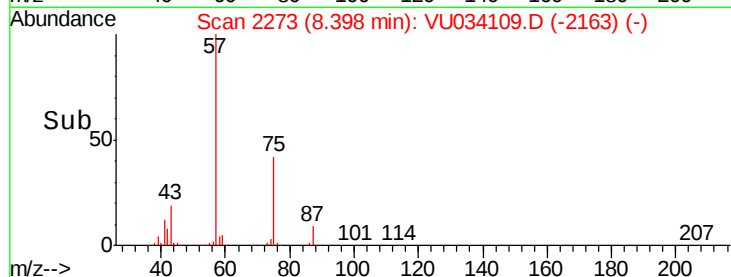
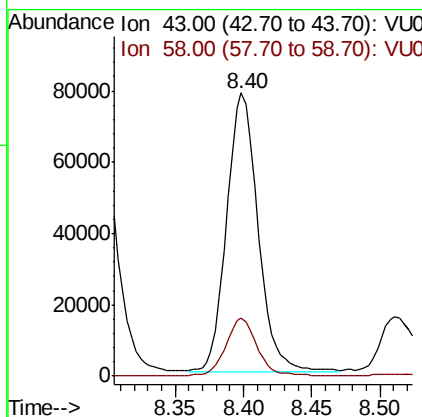
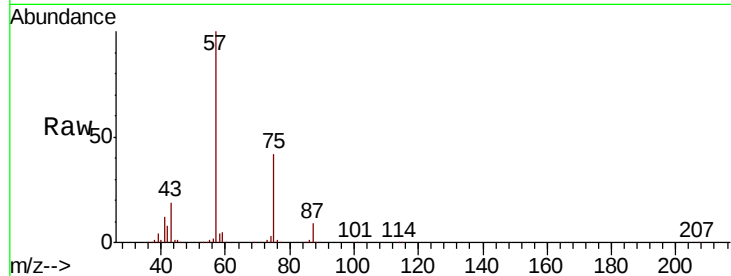
5.37



#59
 2-Hexanone
 Concen: 17.636 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.05 min
 Lab File: VU034109.D
 Acq: 30 Aug 2019 19:23

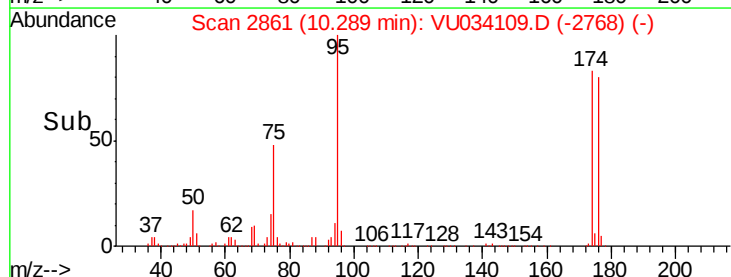
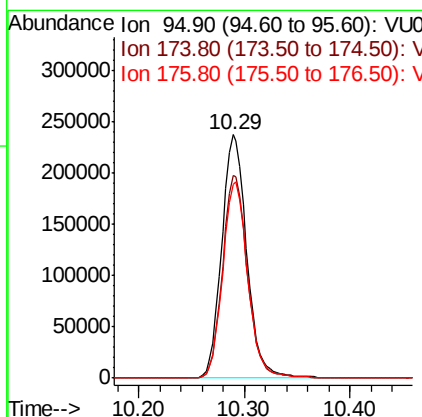
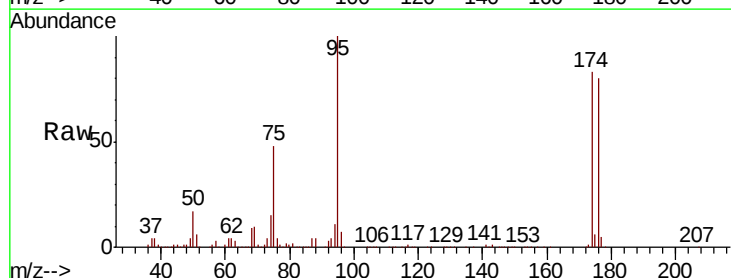
Instrument :
 MSVOA_U
 ClientSampleId :
 T9-12-13-T3-(1.9)

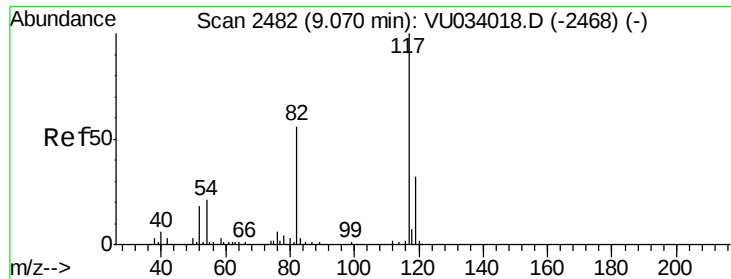
Tgt Ion: 43 Resp: 125631
 Ion Ratio Lower Upper
 43 100
 58 21.0 28.4 85.3#



#62
 4-Bromofluorobenzene
 Concen: 45.602 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034109.D
 Acq: 30 Aug 2019 19:23

Tgt Ion: 95 Resp: 390637
 Ion Ratio Lower Upper
 95 100
 174 83.1 0.0 168.8
 176 80.2 0.0 161.8

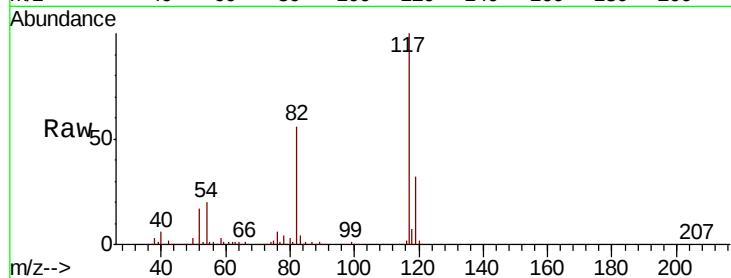




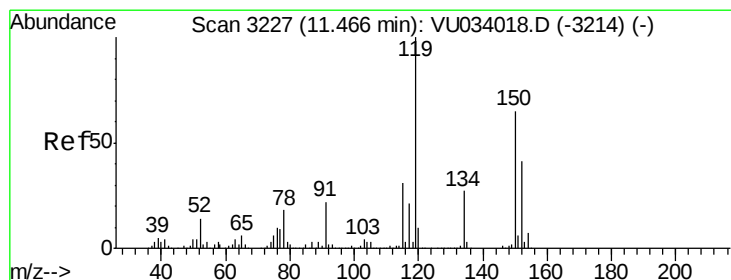
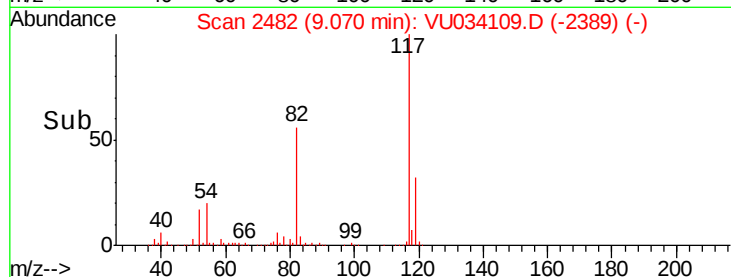
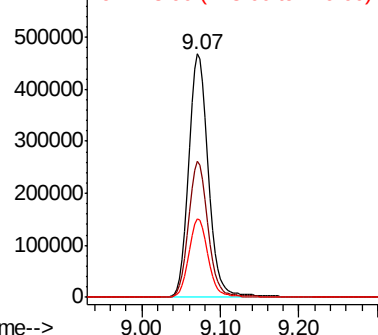
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034109.D
Acq: 30 Aug 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
T9-12-13-T3-(1.9)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.1	67.7
119	32.4	25.4	38.0

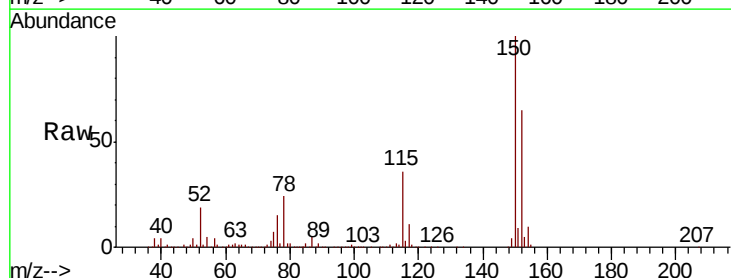


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

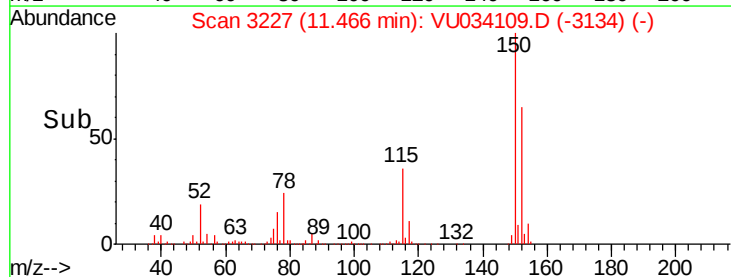
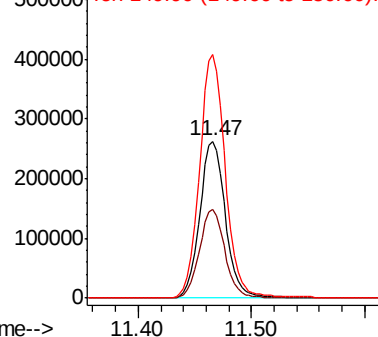


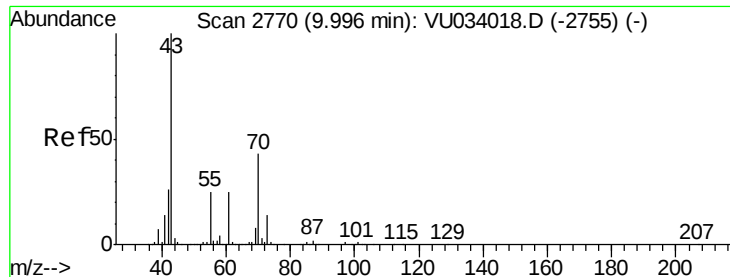
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034109.D
Acq: 30 Aug 2019 19:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	41.1	123.3
150	155.9	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





#74

N-amyI acetate

Concen: 0.589 ug/l

RT: 9.92 min Scan# 2746

Delta R.T. -0.08 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

T9-12-13-T3-(1.9)

Tgt Ion: 43 Resp: 6896

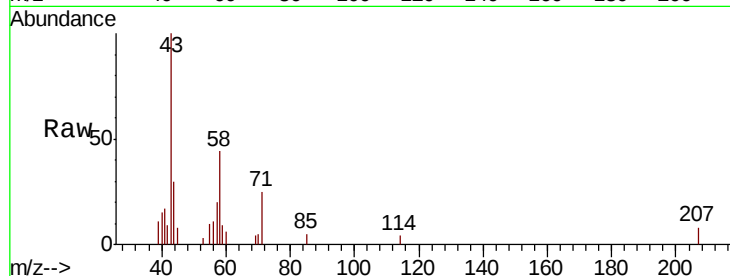
Ion Ratio Lower Upper

43 100

70 2.3 35.2 52.8#

55 7.3 20.5 30.7#

61 0.0 20.0 30.0#

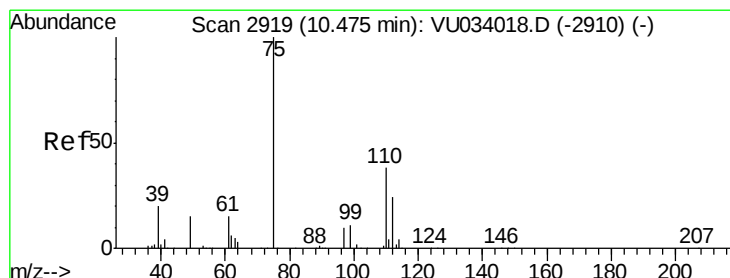
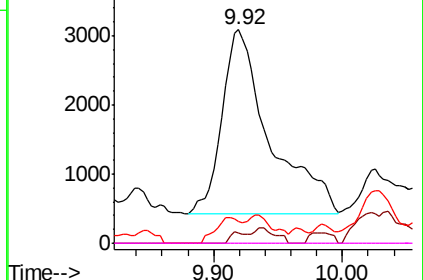
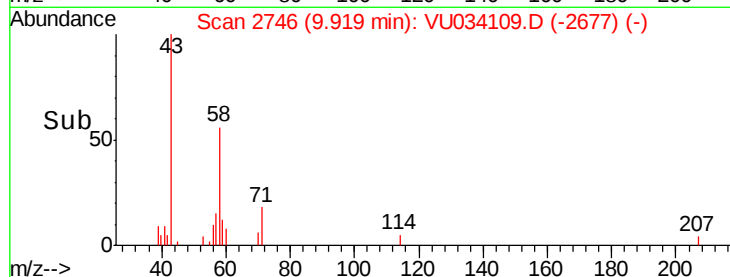


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 19.583 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034109.D

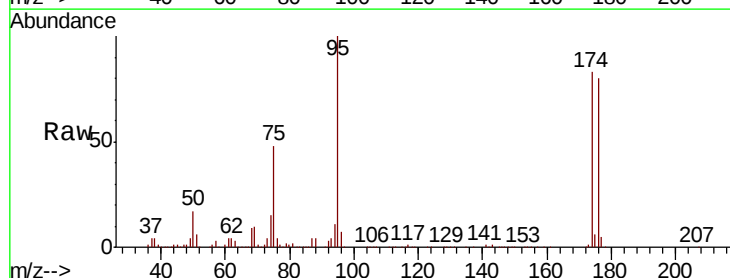
Acq: 30 Aug 2019 19:23

Tgt Ion: 75 Resp: 183072

Ion Ratio Lower Upper

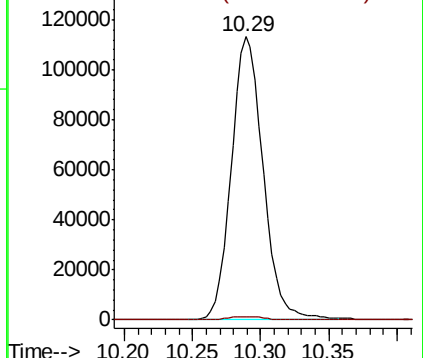
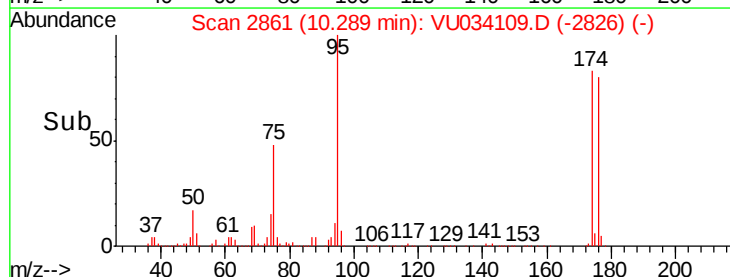
75 100

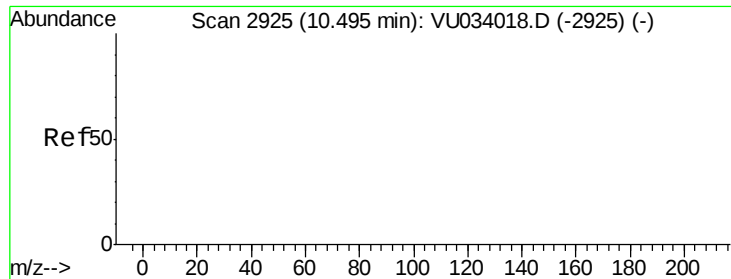
77 1.4 20.1 60.2#



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: 65.942 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

T9-12-13-T3-(1.9)

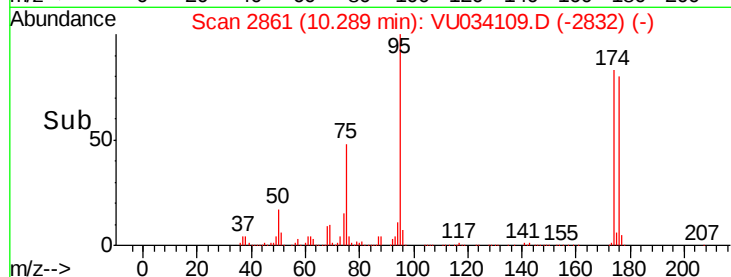
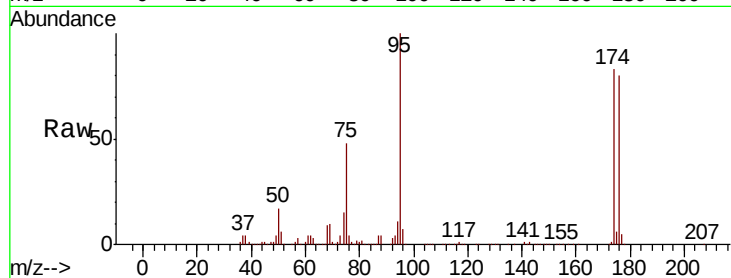
Tgt Ion: 75 Resp: 183072

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0#

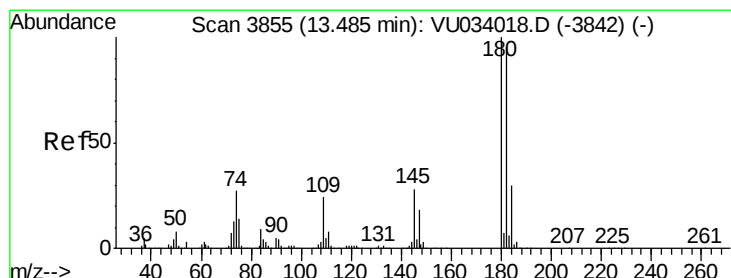
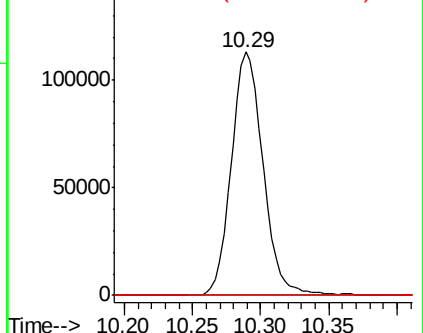
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#93

1,2,4-Trichlorobenzene

Concen: 1.125 ug/l

RT: 13.52 min Scan# 3865

Delta R.T. 0.03 min

Lab File: VU034109.D

Acq: 30 Aug 2019 19:23

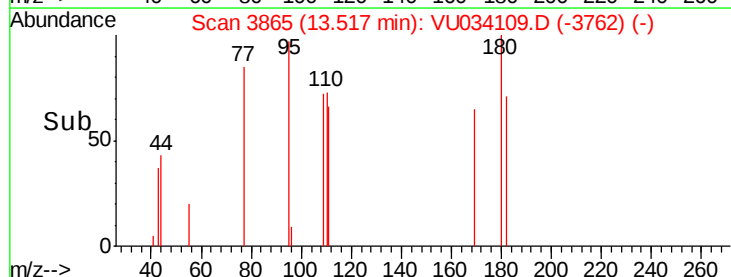
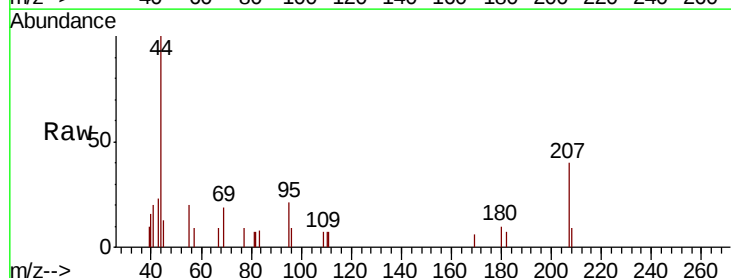
Tgt Ion: 180 Resp: 102

Ion Ratio Lower Upper

180 100

182 117.6 47.4 142.2

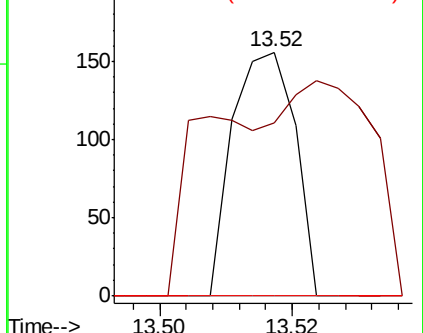
145 0.0 14.1 42.3#

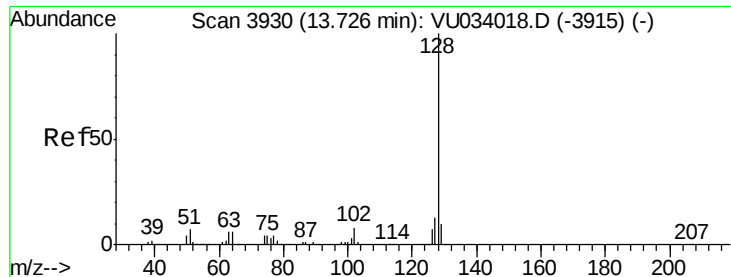


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

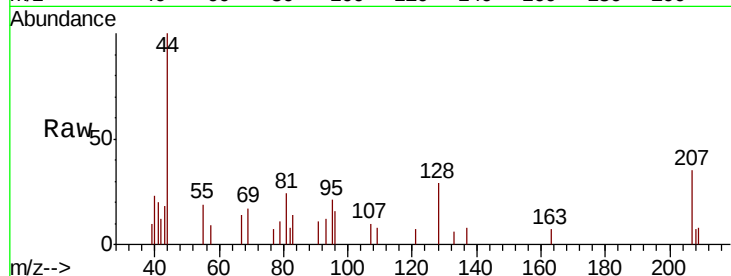




#95
Naphthalene
Concen: 1.827 ug/l
RT: 13.76 min Scan# 3941
Delta R.T. 0.04 min
Lab File: VU034109.D
Acq: 30 Aug 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
T9-12-13-T3-(1.9)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	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

