

Data File : VU034495.D
Acq On : 11 Sep 2019 23:21
Operator : JC/SP
Sample : K4624-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T-11-A4-(0)

Quant Time: Sep 12 04:46:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	244844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	371497	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	395533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	218924	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	215644	58.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.42%	
35) Dibromofluoromethane	4.86	113	184570	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
50) Toluene-d8	7.55	98	683892	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	10.29	95	228894	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	

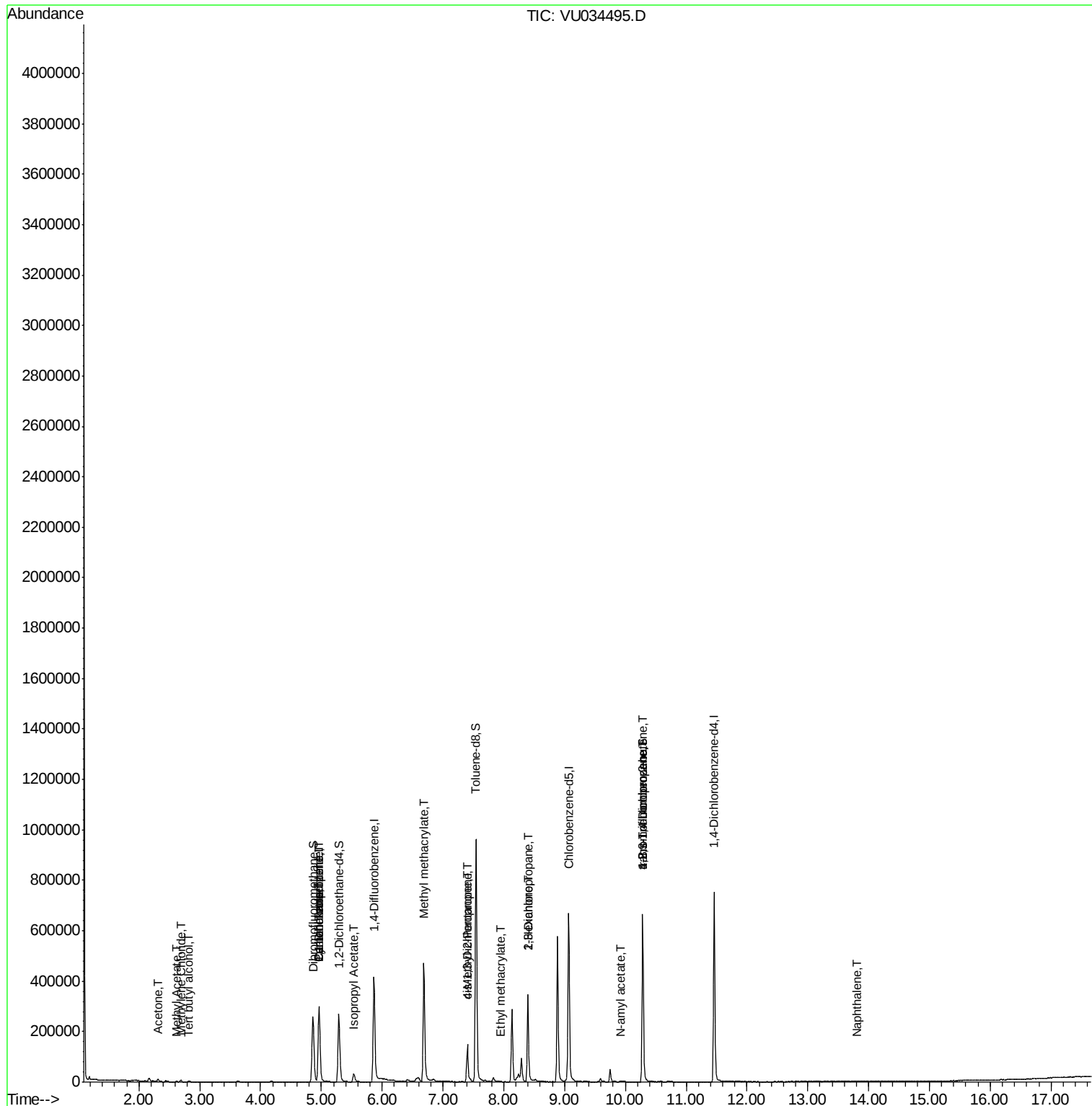
Target Compounds			Qvalue			
5) Bromomethane	1.63	94	460	Below Cal		86
6) Chloroethane	1.66	64	60	Below Cal	#	43
11) Tert butyl alcohol	2.82	59	2237	2.858	ug/l #	73
16) Acetone	2.31	43	11919	6.217	ug/l	98
18) Methyl Acetate	2.61	43	2468	0.529	ug/l	97
20) Methylene Chloride	2.69	84	3336	0.668	ug/l	98
31) Cyclohexane	4.96	56	3924	0.904	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	16524	4.101	ug/l #	47
38) Carbon Tetrachloride	4.96	117	22050	5.126	ug/l #	17
43) Isopropyl Acetate	5.53	43	38314	5.156	ug/l	98
48) Methyl methacrylate	6.69	41	42668	12.089	ug/l #	36
51) 4-Methyl-2-Pentanone	7.40	43	50816	9.879	ug/l #	47
54) cis-1,3-Dichloropropene	7.40	75	27372	4.899	ug/l #	66
56) Ethyl methacrylate	7.95	69	145	3.101	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	3494	0.579	ug/l #	43
59) 2-Hexanone	8.40	43	46109	11.999	ug/l #	54
74) N-amyl acetate	9.92	43	1944	0.339	ug/l #	42
76) 1,2,3-Trichloropropane	10.29	75	108567	22.719	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	108567	76.402	ug/l #	100
95) Naphthalene	13.82	128	84	3.971	ug/l #	69

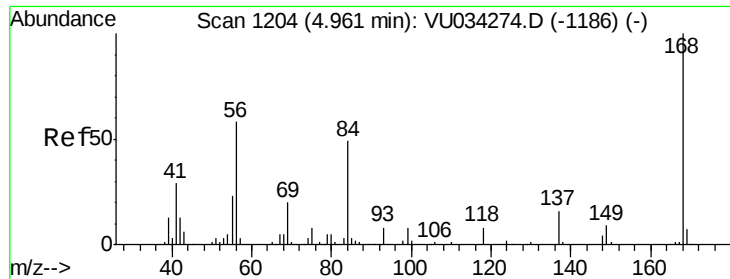
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034495.D

Acq: 11 Sep 2019 23:21

Instrument :

MSVOA_U

ClientSampleId :

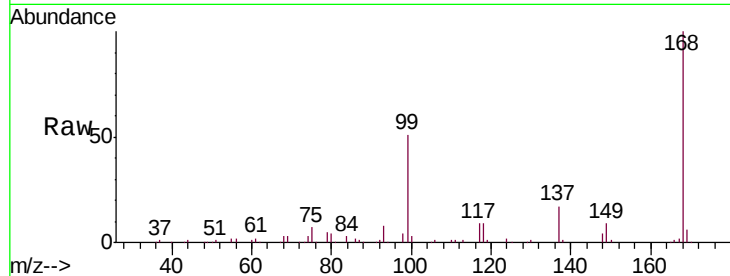
T-11-A4-(0)

Tgt Ion:168 Resp: 244844

Ion Ratio Lower Upper

168 100

99 50.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034495.D (-1111) (-)

Ion 98.90 (98.60 to 99.60): VU034495.D (-1111) (-)

4.96

120000

100000

80000

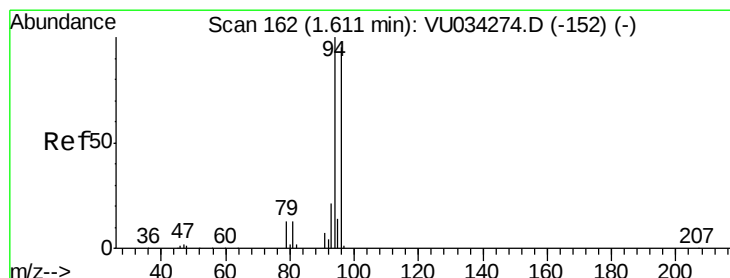
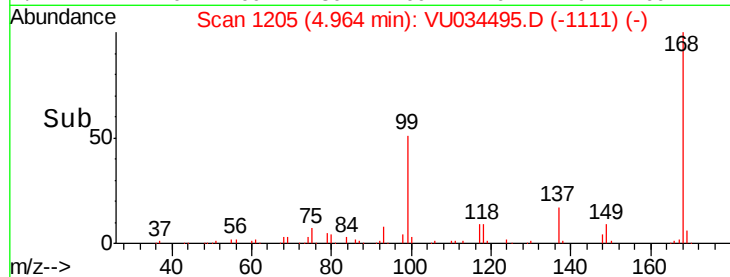
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 167

Delta R.T. 0.02 min

Lab File: VU034495.D

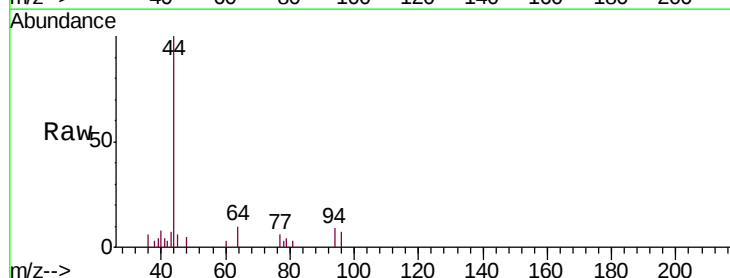
Acq: 11 Sep 2019 23:21

Tgt Ion: 94 Resp: 460

Ion Ratio Lower Upper

94 100

96 81.2 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034495.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034495.D (-68) (-)

1.63

400

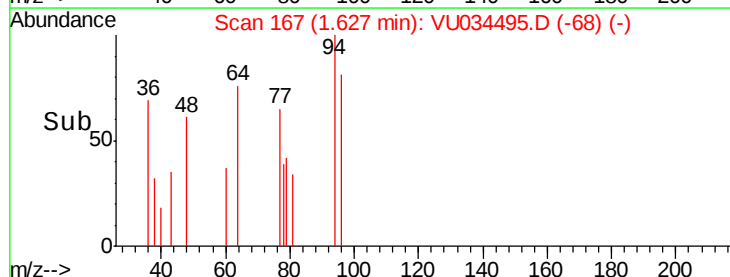
300

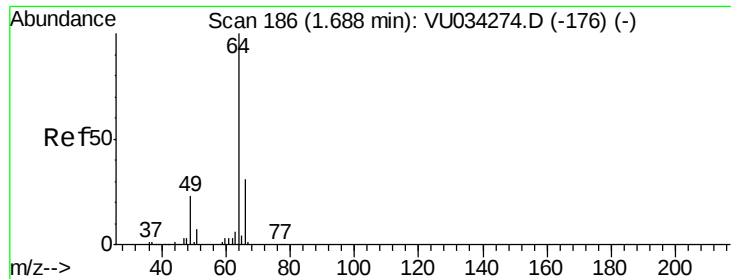
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 177

Delta R.T. -0.03 min

Lab File: VU034495.D

Acq: 11 Sep 2019 23:21

Instrument :

MSVOA_U

ClientSampleId :

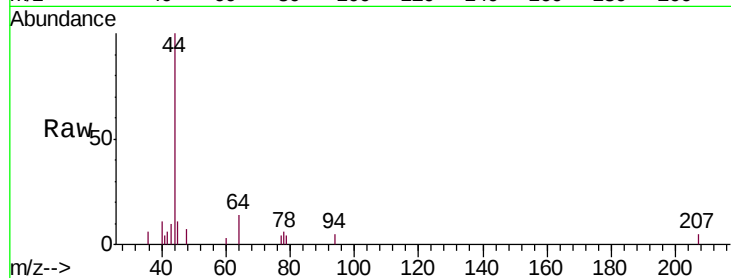
T-11-A4-(0)

Tgt Ion: 64 Resp: 60

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#

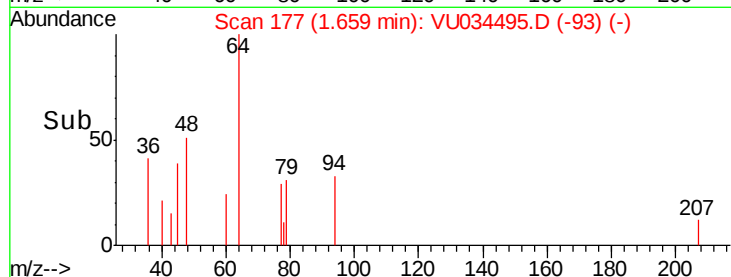


Abundance Ion 63.90 (63.60 to 64.60): VU034495.D (-176) (-)

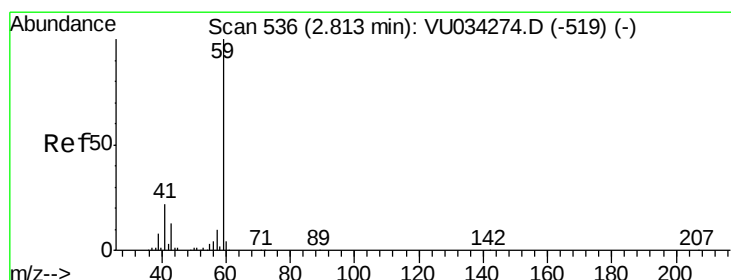
Ion 65.90 (65.60 to 66.60): VU034495.D (-176) (-)

1.66

Time-->



Time-->



#11

Tert butyl alcohol

Concen: 2.858 ug/l

RT: 2.82 min Scan# 538

Delta R.T. 0.01 min

Lab File: VU034495.D

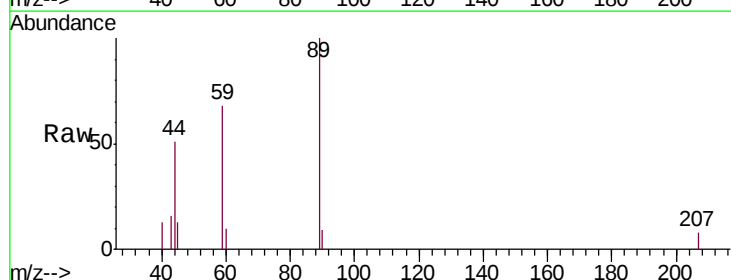
Acq: 11 Sep 2019 23:21

Tgt Ion: 59 Resp: 2237

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#

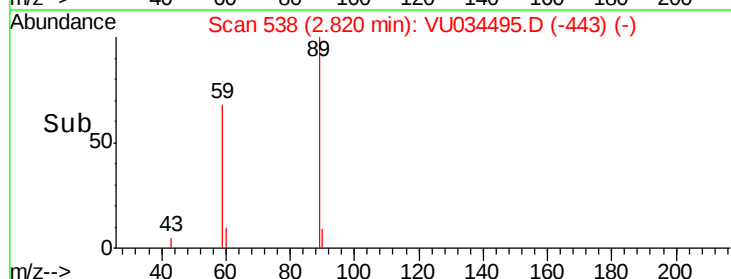


Abundance Ion 59.00 (58.70 to 59.70): VU034495.D (-519) (-)

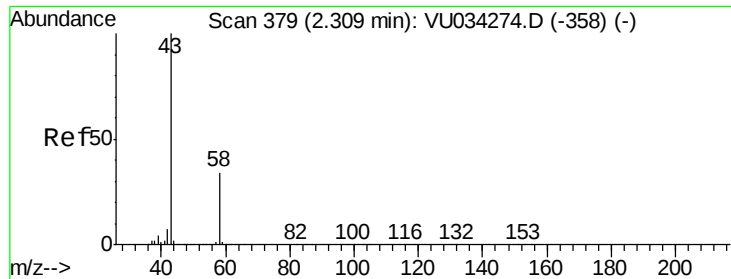
Ion 57.00 (56.70 to 57.70): VU034495.D (-519) (-)

2.82

Time-->



Time-->



#16

Acetone

Concen: 6.217 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034495.D

Acq: 11 Sep 2019 23:21

Instrument :

MSVOA_U

ClientSampleId :

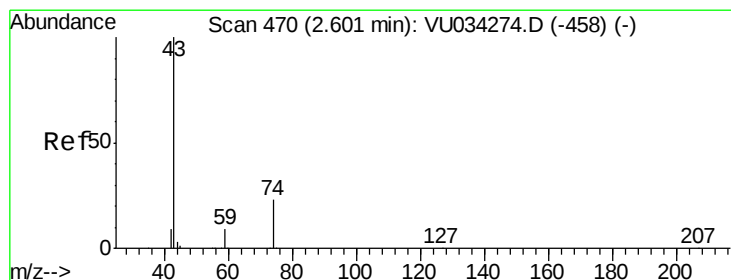
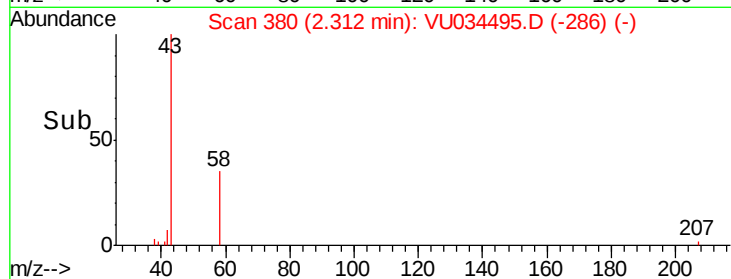
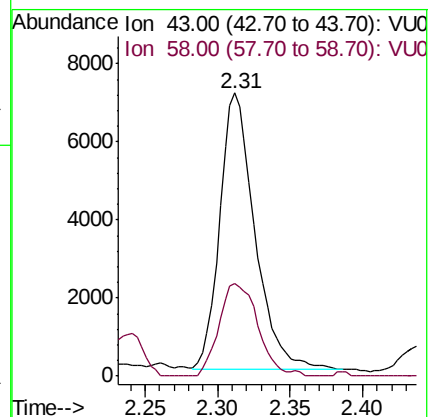
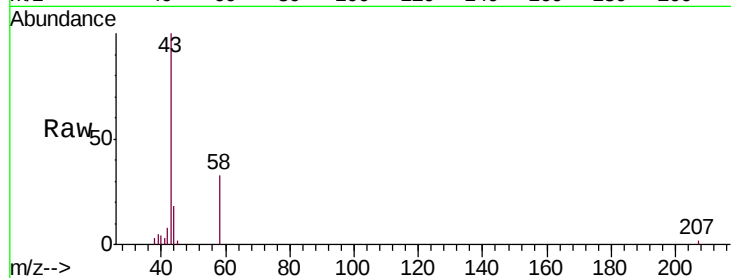
T-11-A4-(0)

Tgt Ion: 43 Resp: 11919

Ion Ratio Lower Upper

43 100

58 33.5 27.6 41.4



#18

Methyl Acetate

Concen: 0.529 ug/l

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034495.D

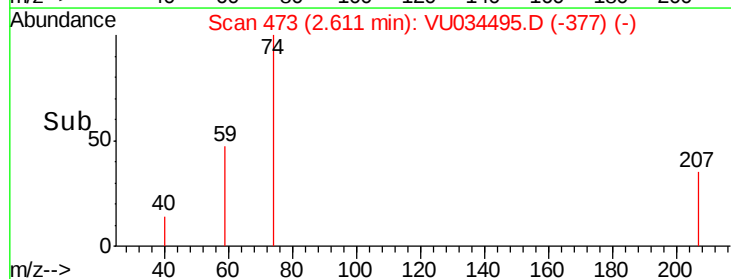
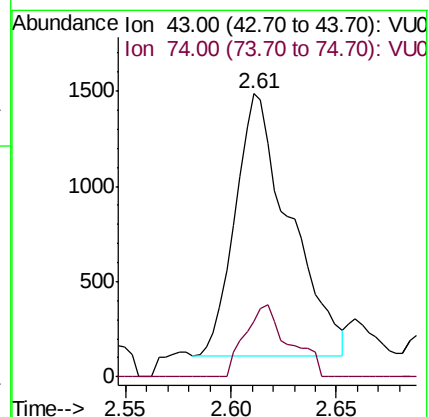
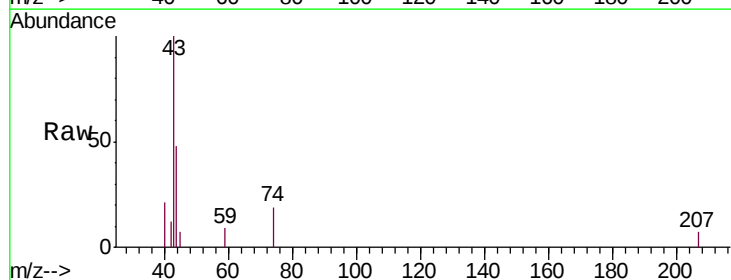
Acq: 11 Sep 2019 23:21

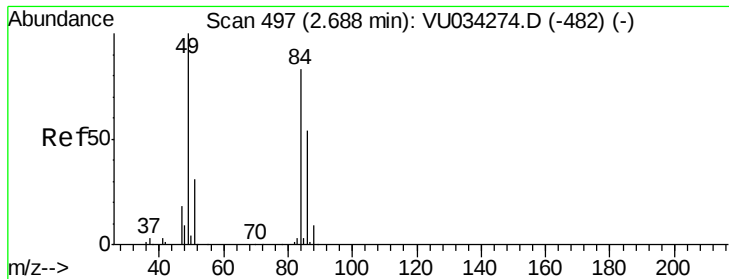
Tgt Ion: 43 Resp: 2468

Ion Ratio Lower Upper

43 100

74 22.2 18.9 28.3

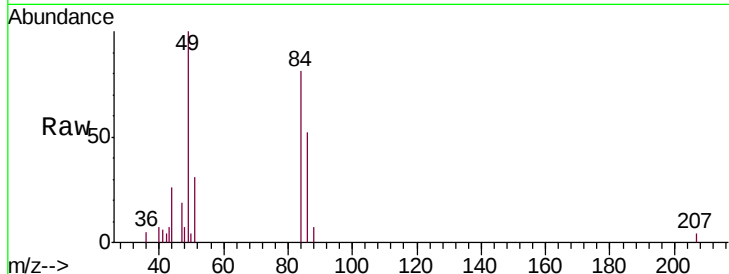




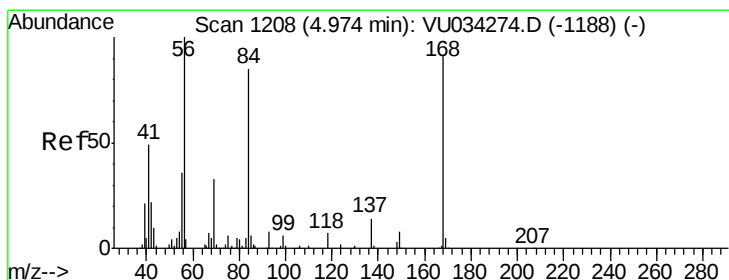
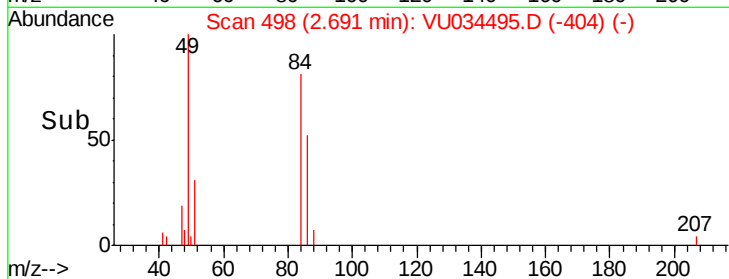
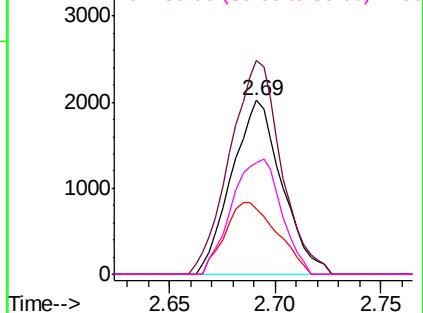
#20
Methylene Chloride
Concen: 0.668 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034495.D
Acq: 11 Sep 2019 23:21

Instrument :
MSVOA_U
ClientSampleId :
T-11-A4-(0)

Tgt Ion:	84	Resp:	3336
Ion	Ratio	Lower	Upper
84	100		
49	123.1	96.0	144.0
51	37.7	30.0	45.0
86	64.6	51.4	77.0

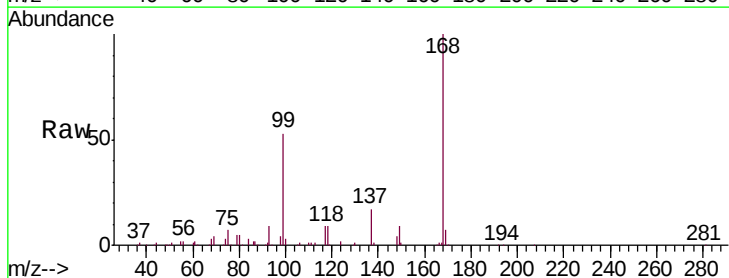


Abundance Ion 83.90 (83.60 to 84.60): VU034495.D (-404) (-)

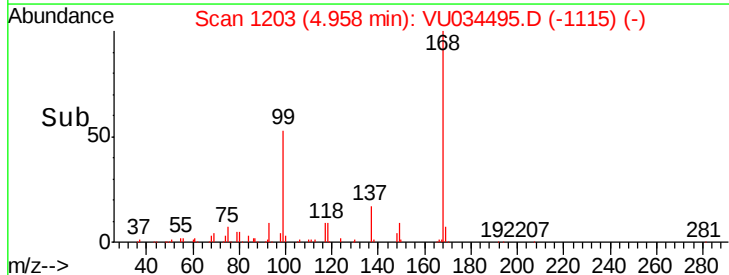
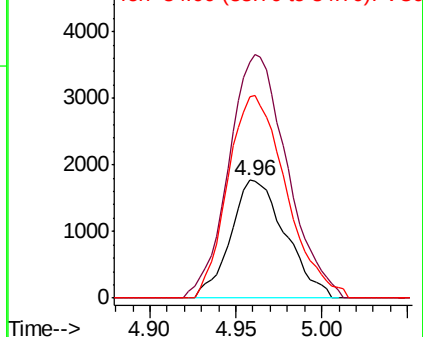


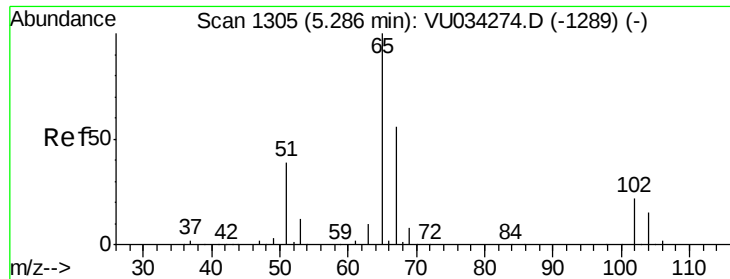
#31
Cyclohexane
Concen: 0.904 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VU034495.D
Acq: 11 Sep 2019 23:21

Tgt Ion:	56	Resp:	3924
Ion	Ratio	Lower	Upper
56	100		
69	193.6	26.7	40.1#
84	170.3	68.2	102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034495.D (-1115) (-)

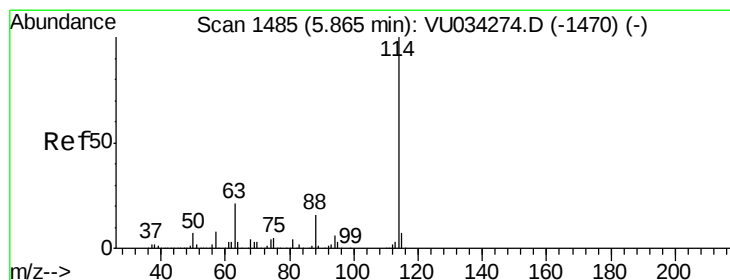
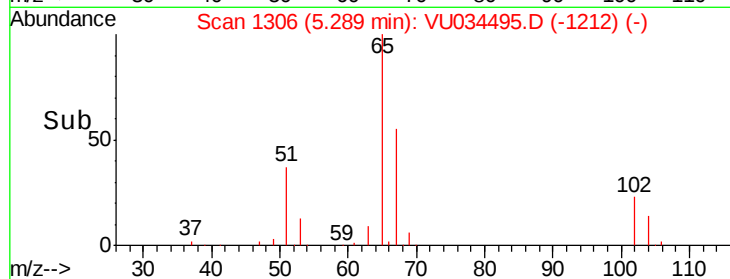
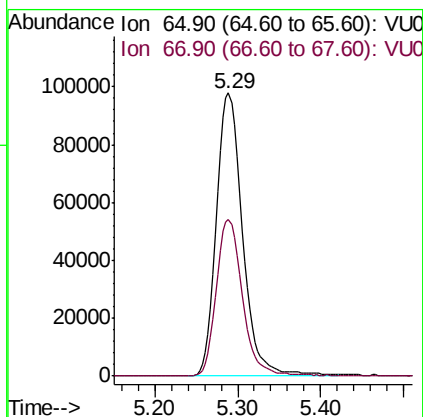
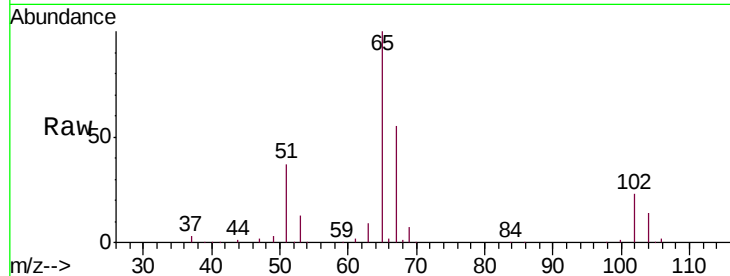




#33
 1,2-Dichloroethane-d4
 Concen: 58.210 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034495.D
 Acq: 11 Sep 2019 23:21

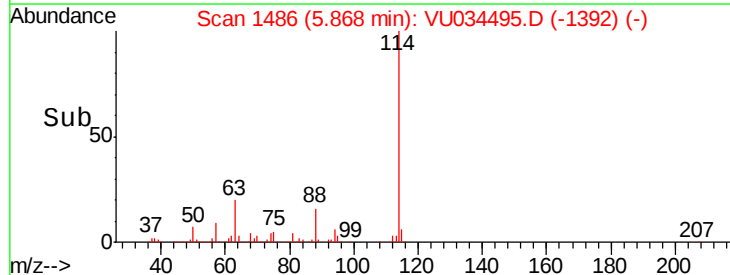
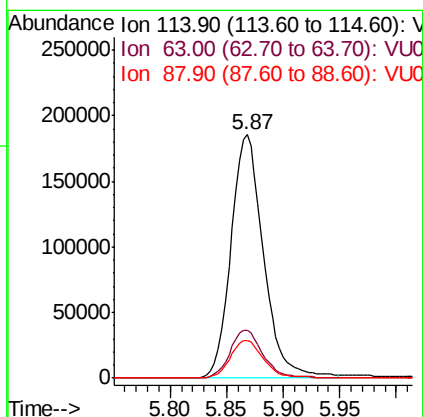
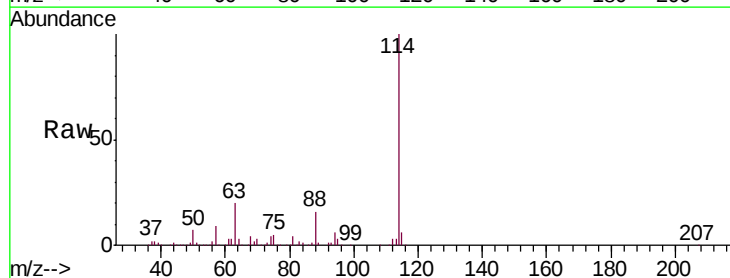
Instrument :
 MSVOA_U
 ClientSampled :
 T-11-A4-(0)

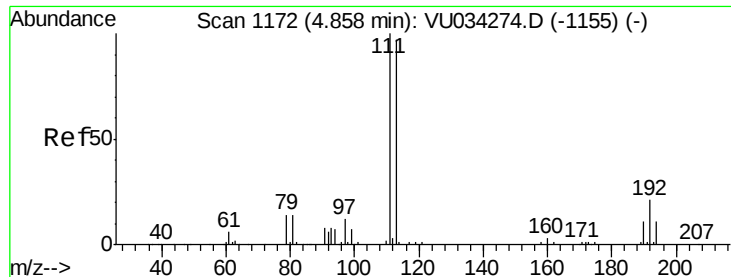
Tgt Ion: 65 Resp: 215644
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034495.D
 Acq: 11 Sep 2019 23:21

Tgt Ion: 114 Resp: 371497
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.4
 88 15.7 0.0 32.4

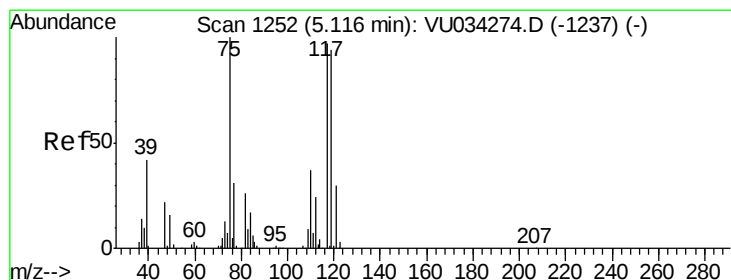
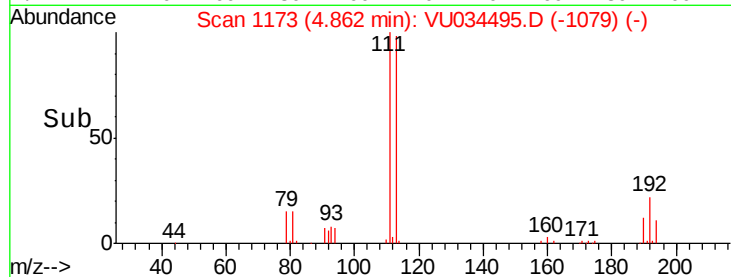
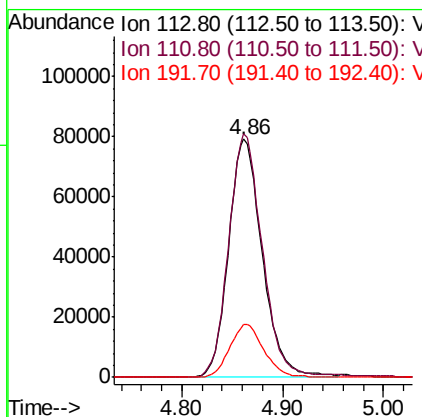
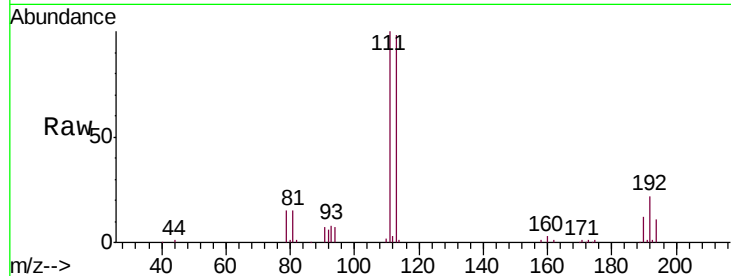




#35
 Dibromofluoromethane
 Concen: 53.393 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034495.D
 Acq: 11 Sep 2019 23:21

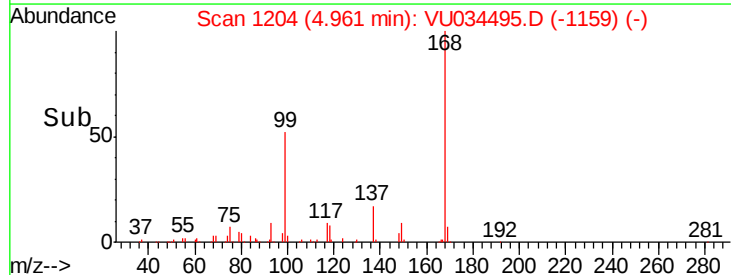
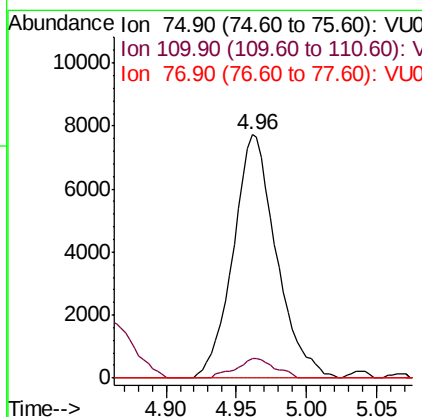
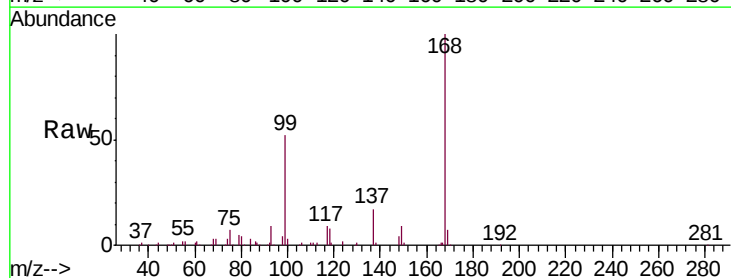
Instrument :
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 ClientSampled :
 T-11-A4-(0)

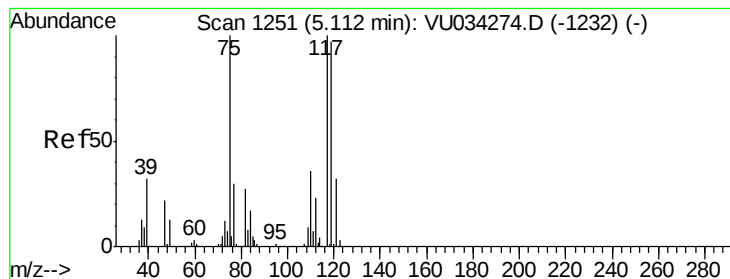
Tgt Ion:113 Resp: 184570
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.5 122.3
 192 22.5 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.101 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034495.D
 Acq: 11 Sep 2019 23:21

Tgt Ion: 75 Resp: 16524
 Ion Ratio Lower Upper
 75 100
 110 7.3 18.3 54.9#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.126 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034495.D

Acq: 11 Sep 2019 23:21

Instrument :

MSVOA_U

ClientSampleId :

T-11-A4-(0)

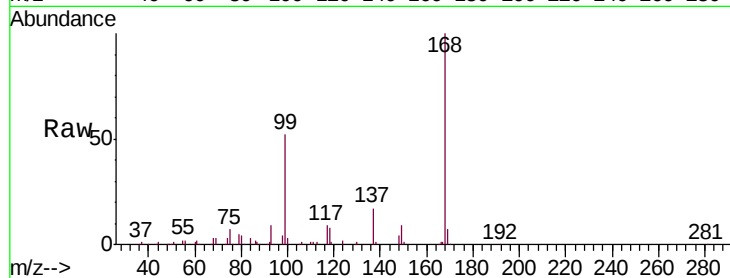
Tgt Ion:117 Resp: 22050

Ion Ratio Lower Upper

117 100

119 6.6 77.8 116.6#

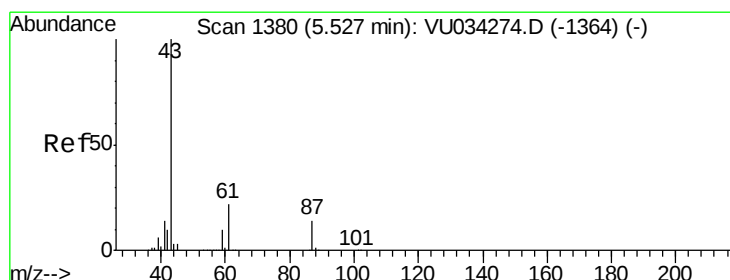
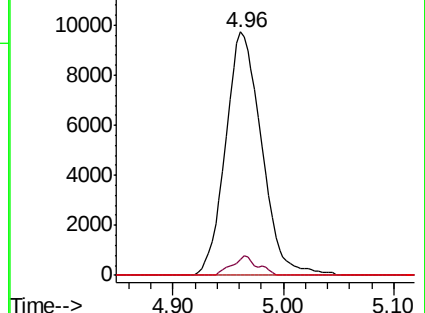
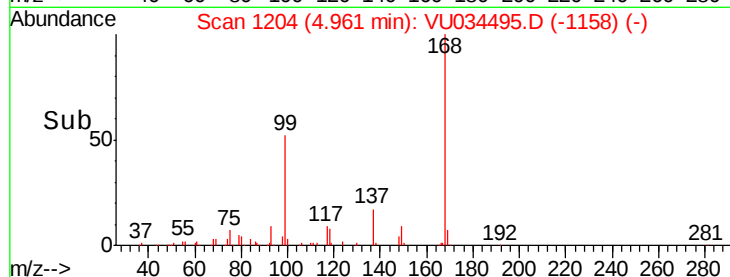
121 0.0 25.2 37.8#



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: 5.156 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034495.D

Acq: 11 Sep 2019 23:21

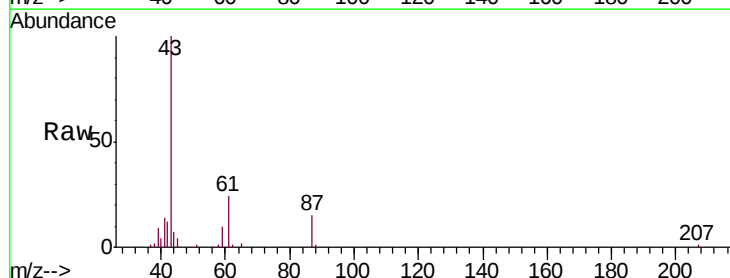
Tgt Ion: 43 Resp: 38314

Ion Ratio Lower Upper

43 100

61 22.9 17.1 25.7

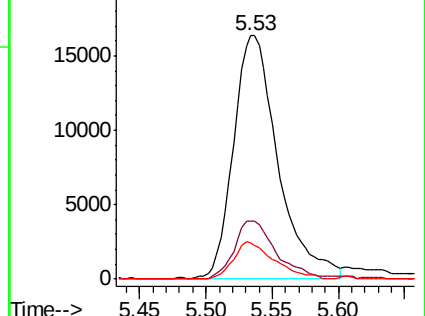
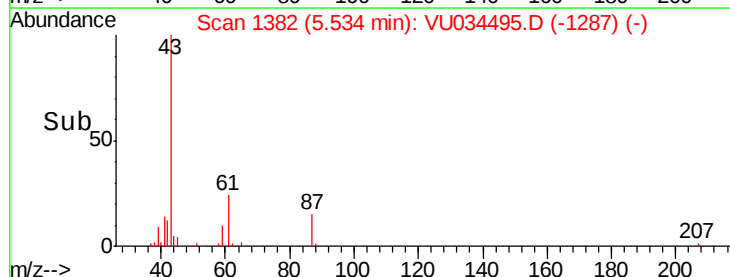
87 14.1 11.1 16.7

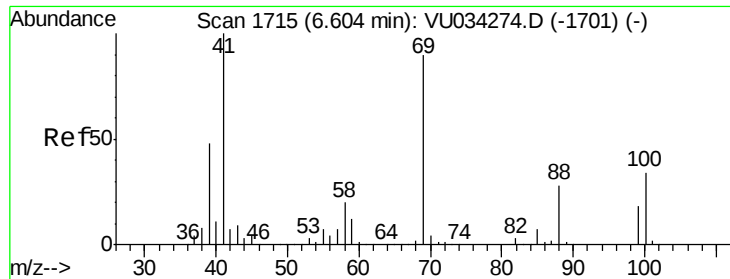


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

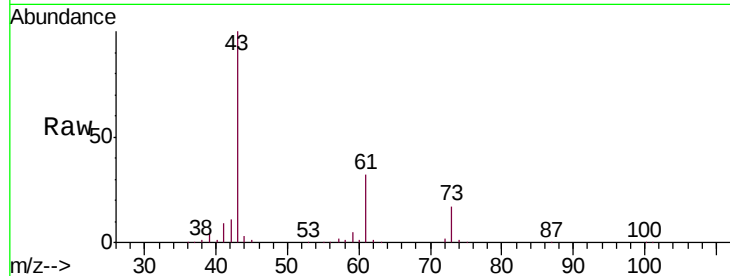




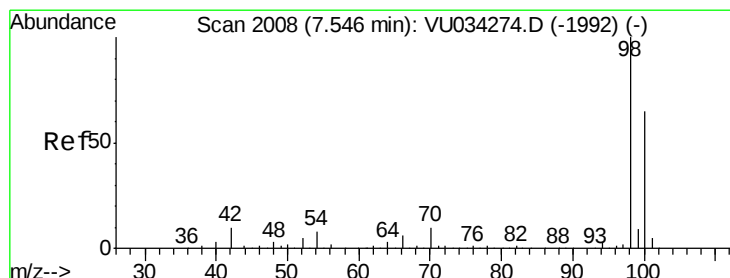
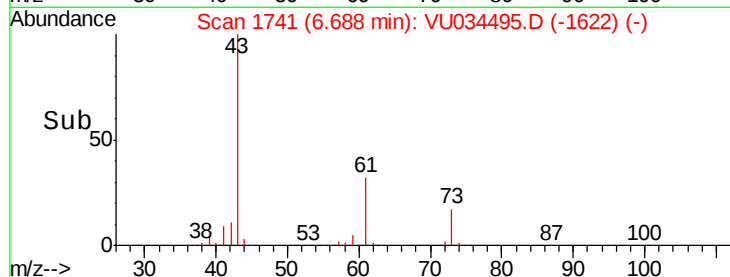
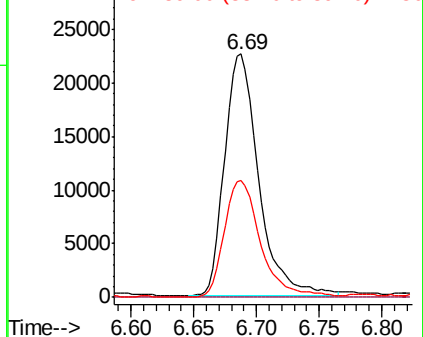
#48
Methyl methacrylate
Concen: 12.089 ug/l
RT: 6.69 min Scan# 1741
Delta R.T. 0.08 min
Lab File: VU034495.D
Acq: 11 Sep 2019 23:21

Instrument :
MSVOA_U
ClientSampleId :
T-11-A4-(0)

Tgt Ion: 41 Resp: 42668
Ion Ratio Lower Upper
41 100
69 0.0 72.8 109.2#
39 51.2 38.6 58.0

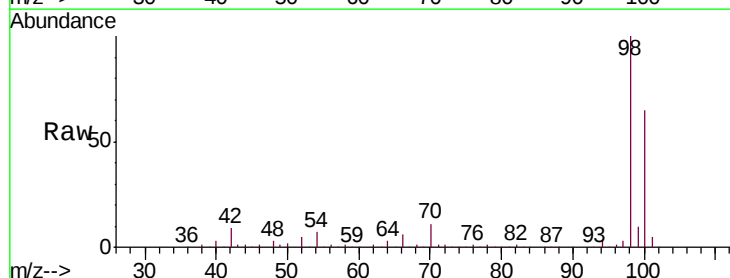


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

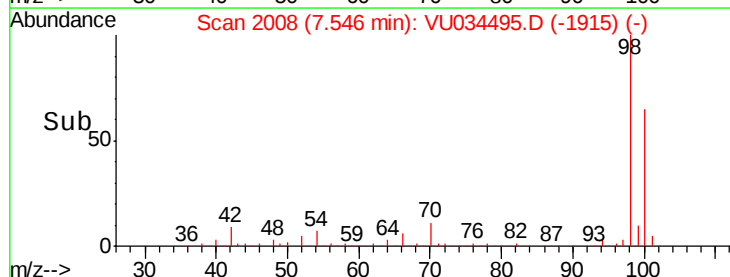
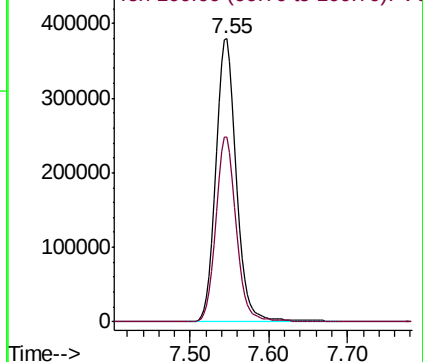


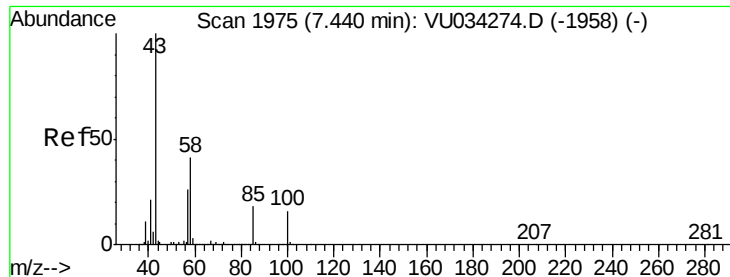
#50
Toluene-d8
Concen: 52.659 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034495.D
Acq: 11 Sep 2019 23:21

Tgt Ion: 98 Resp: 683892
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



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: 9.879 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034495.D

Acq: 11 Sep 2019 23:21

Instrument :

MSVOA_U

ClientSampleId :

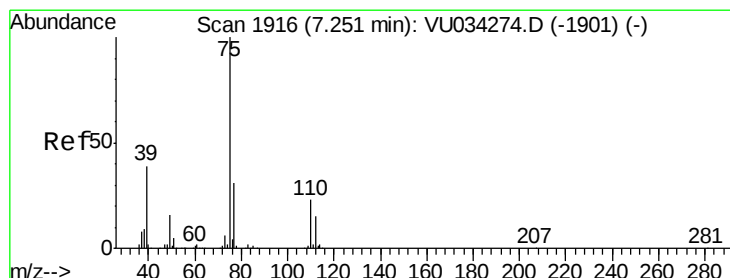
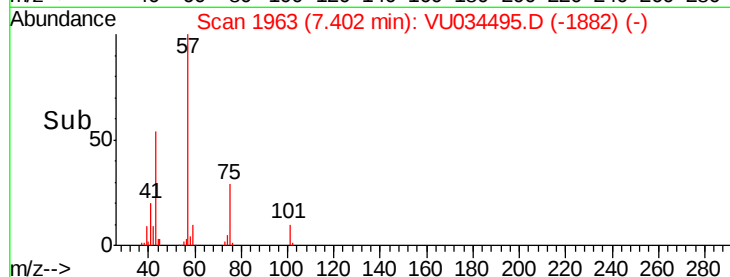
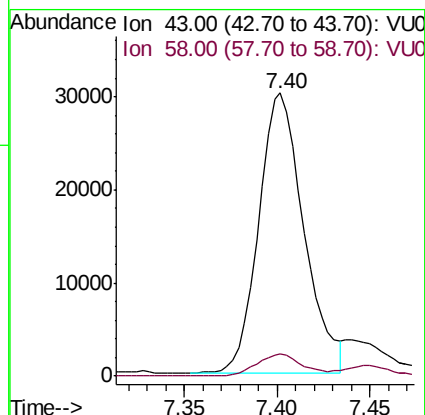
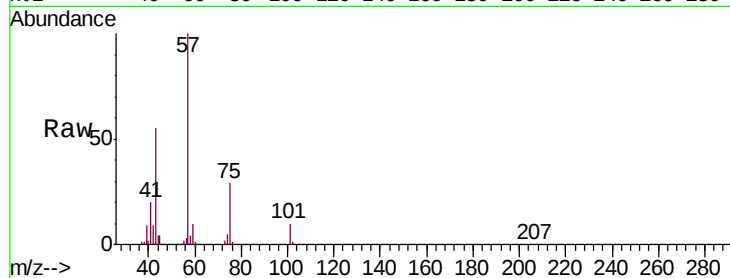
T-11-A4-(0)

Tgt Ion: 43 Resp: 50816

Ion Ratio Lower Upper

43 100

58 8.0 33.0 49.4#



#54

cis-1,3-Dichloropropene

Concen: 4.899 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. 0.15 min

Lab File: VU034495.D

Acq: 11 Sep 2019 23:21

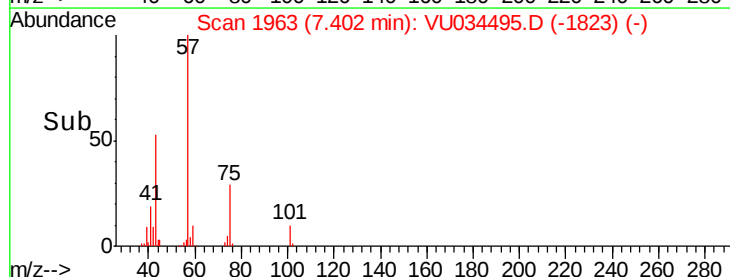
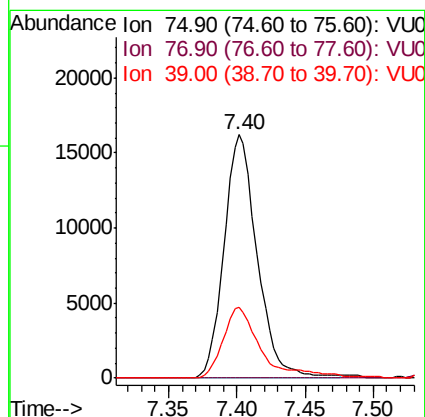
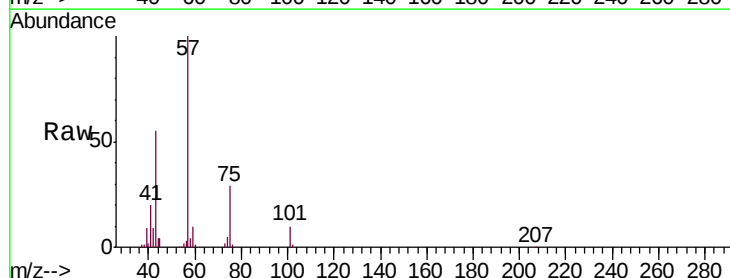
Tgt Ion: 75 Resp: 27372

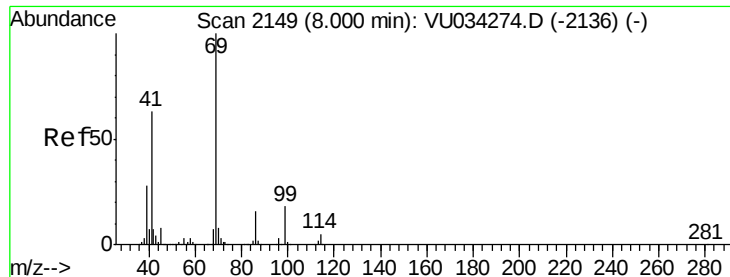
Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 29.3 31.2 46.8#

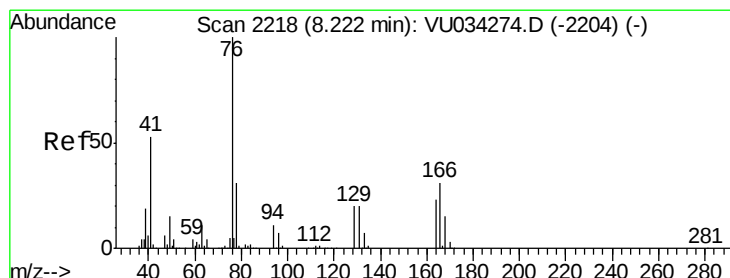
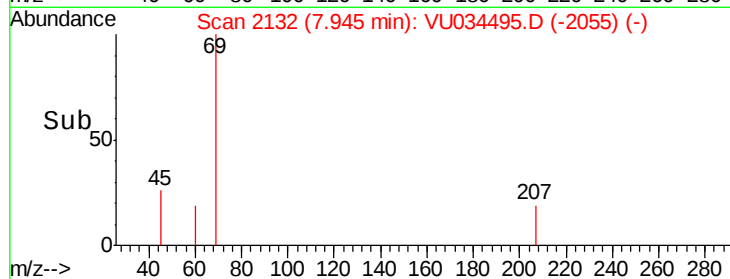
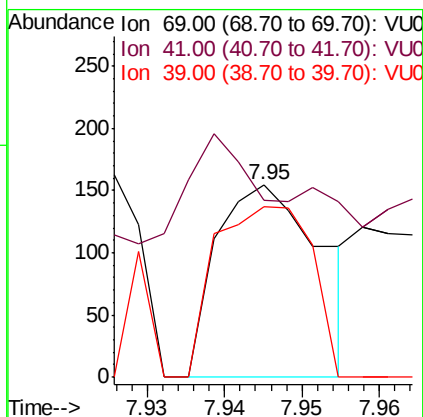
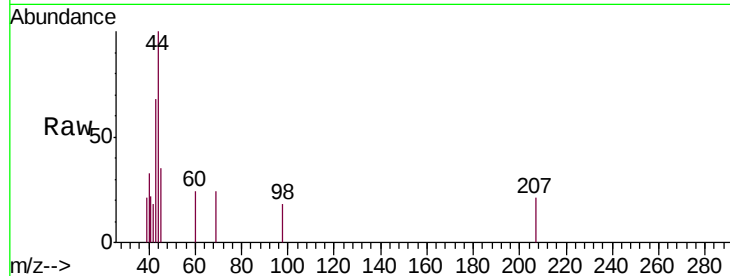




#56
Ethyl methacrylate
Concen: 3.101 ug/l
RT: 7.95 min Scan# 2132
Delta R.T. -0.05 min
Lab File: VU034495.D
Acq: 11 Sep 2019 23:21

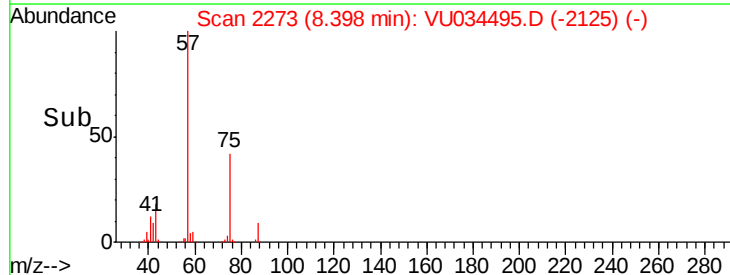
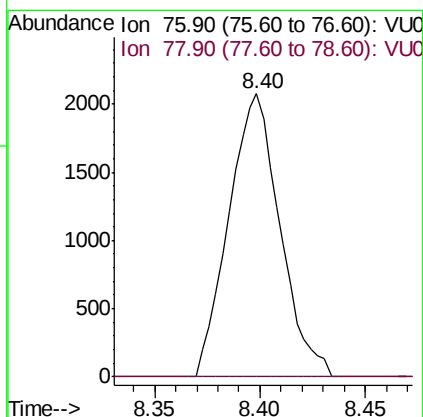
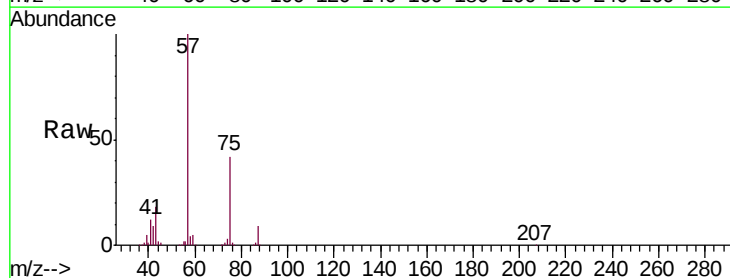
Instrument :
MSVOA_U
ClientSampleId :
T-11-A4-(0)

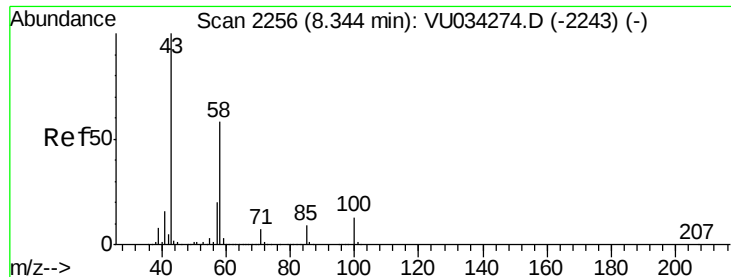
Tgt Ion: 69 Resp: 145
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 0.0 22.5 33.7#



#57
1,3-Dichloropropane
Concen: 0.579 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.18 min
Lab File: VU034495.D
Acq: 11 Sep 2019 23:21

Tgt Ion: 76 Resp: 3494
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.2#





#59

2-Hexanone

Concen: 11.999 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.05 min

Lab File: VU034495.D

Acq: 11 Sep 2019 23:21

Instrument :

MSVOA_U

ClientSampleId :

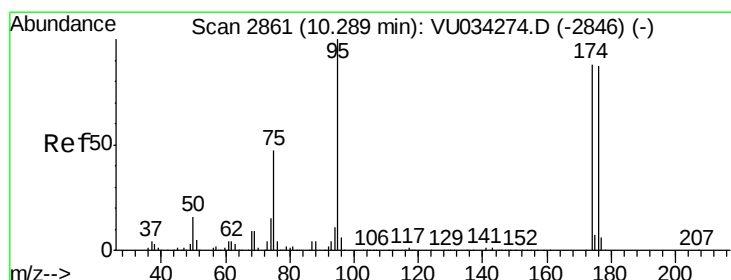
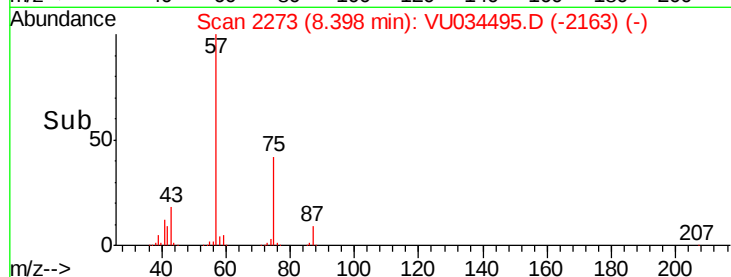
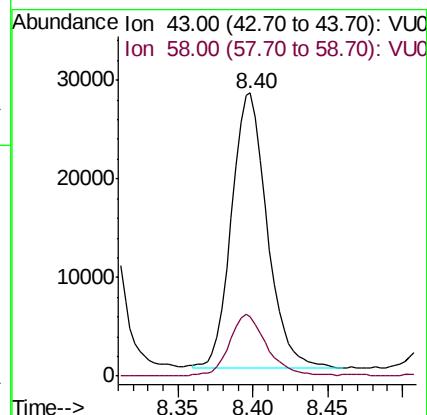
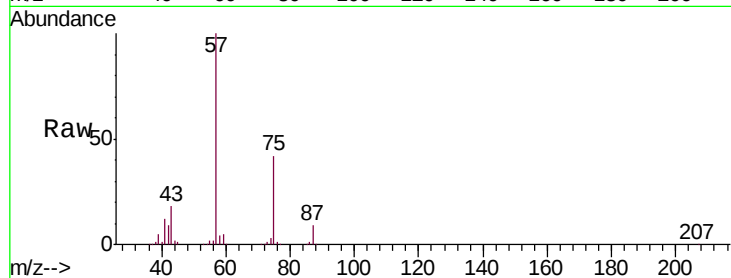
T-11-A4-(0)

Tgt Ion: 43 Resp: 46109

Ion Ratio Lower Upper

43 100

58 23.9 28.8 86.5#



#62

4-Bromofluorobenzene

Concen: 45.648 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034495.D

Acq: 11 Sep 2019 23:21

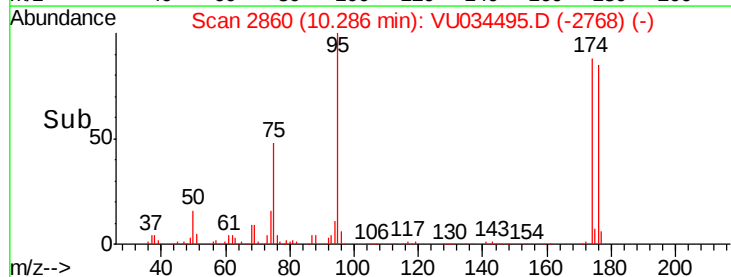
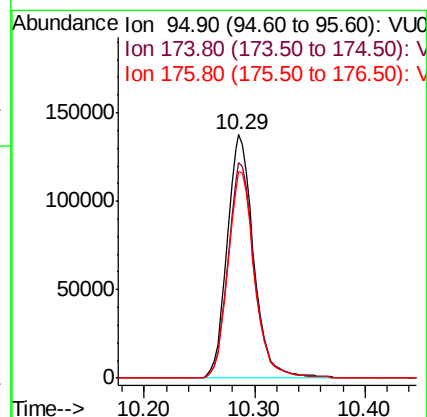
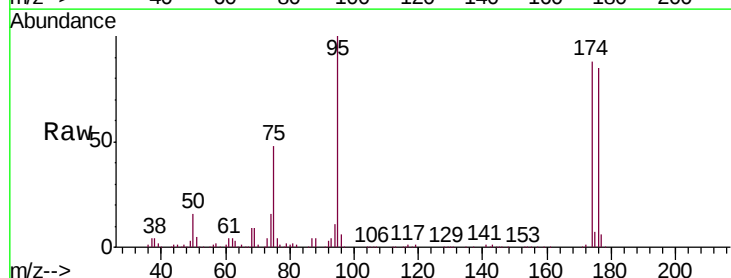
Tgt Ion: 95 Resp: 228894

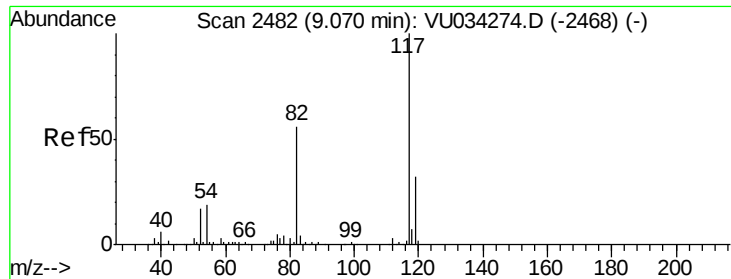
Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.2

176 85.1 0.0 168.0

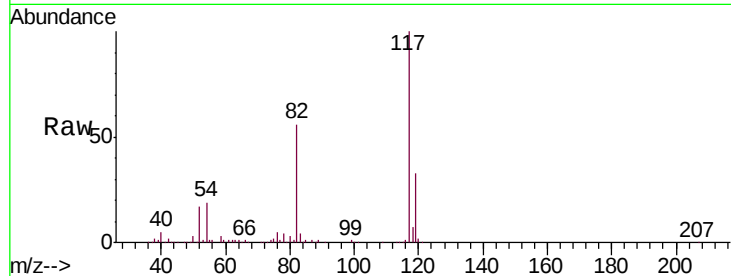




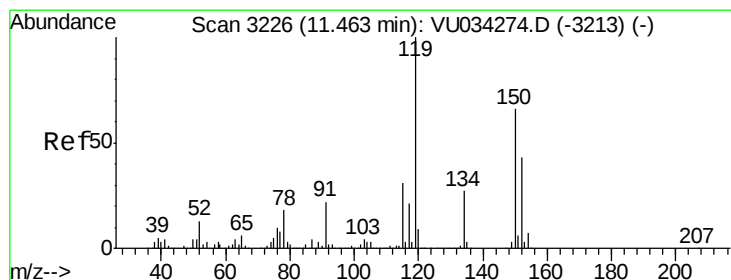
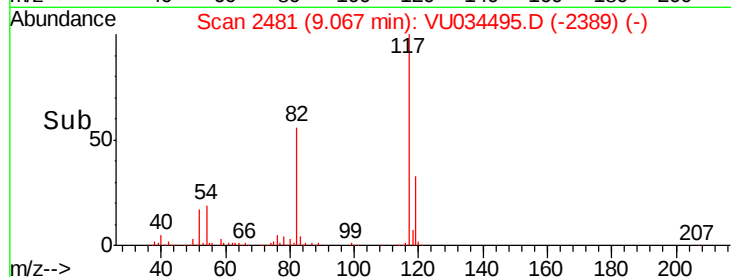
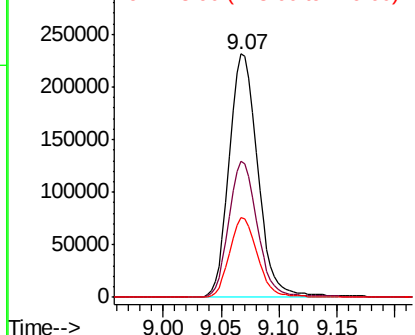
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034495.D
Acq: 11 Sep 2019 23:21

Instrument :
MSVOA_U
ClientSampleId :
T-11-A4-(0)

Tgt Ion:117 Resp: 395533
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 32.7 25.9 38.9

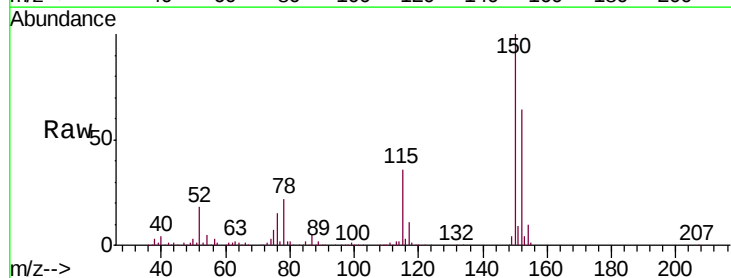


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

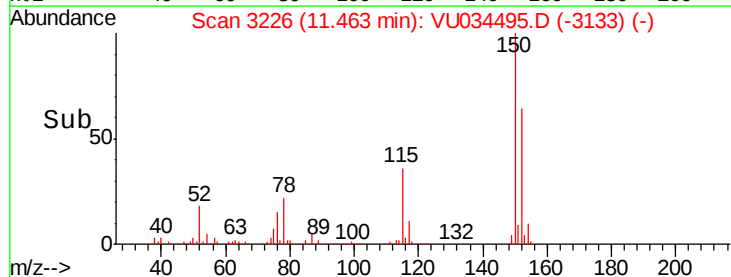
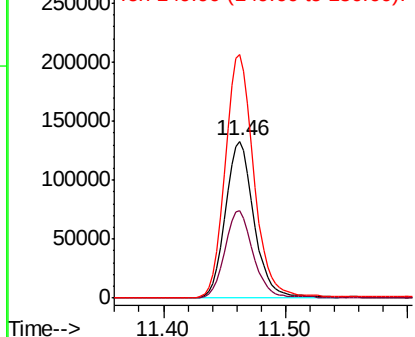


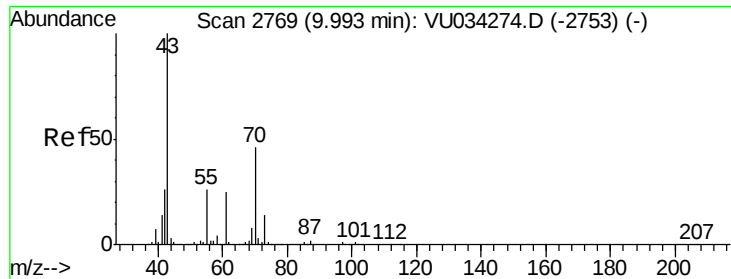
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034495.D
Acq: 11 Sep 2019 23:21

Tgt Ion:152 Resp: 218924
Ion Ratio Lower Upper
152 100
115 55.6 39.1 117.3
150 158.0 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.339 ug/l

RT: 9.92 min Scan# 2746

Delta R.T. -0.07 min

Lab File: VU034495.D

Acq: 11 Sep 2019 23:21

Instrument :

MSVOA_U

ClientSampleId :

T-11-A4-(0)

Tgt Ion: 43 Resp: 1944

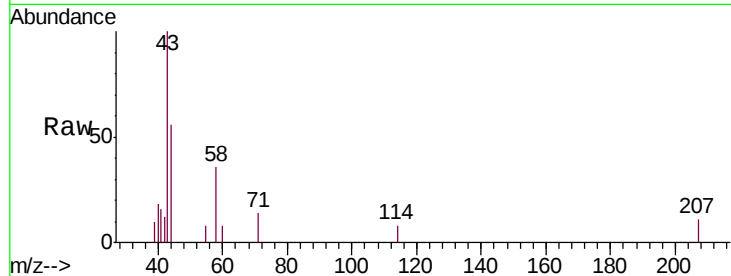
Ion Ratio Lower Upper

43 100

70 0.0 36.4 54.6#

55 2.2 21.2 31.8#

61 0.0 20.4 30.6#

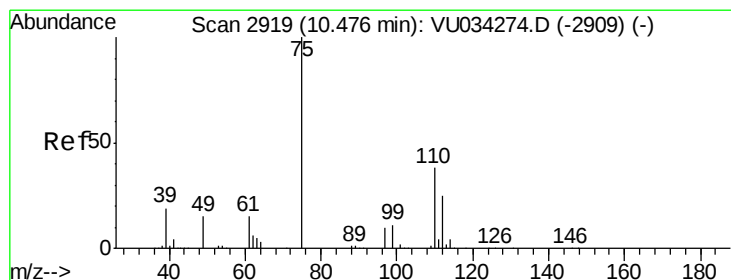
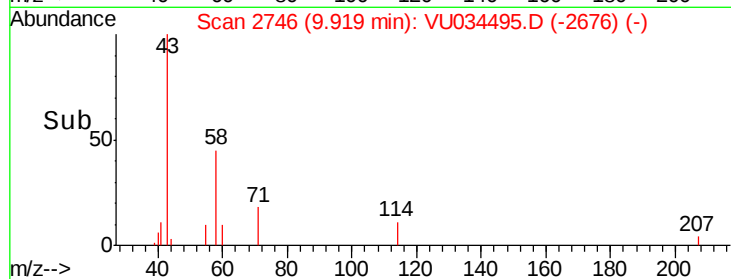
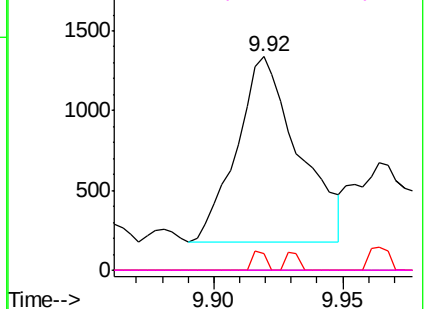


Abundance Ion 43.00 (42.70 to 43.70): VU034495.D (-2746) (-)

Ion 70.00 (69.70 to 70.70): VU034495.D (-2746) (-)

Ion 55.00 (54.70 to 55.70): VU034495.D (-2746) (-)

Ion 61.00 (60.70 to 61.70): VU034495.D (-2746) (-)



#76

1,2,3-Trichloropropane

Concen: 22.719 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034495.D

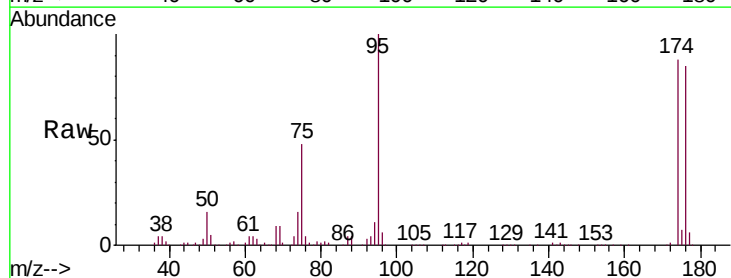
Acq: 11 Sep 2019 23:21

Tgt Ion: 75 Resp: 108567

Ion Ratio Lower Upper

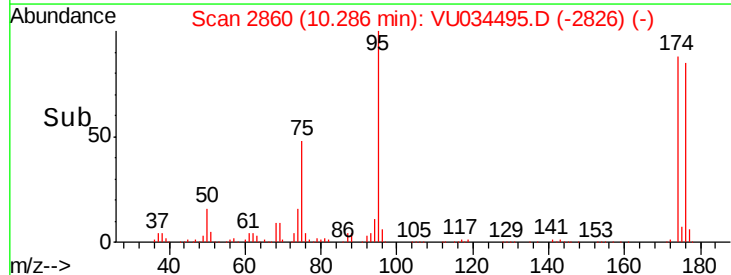
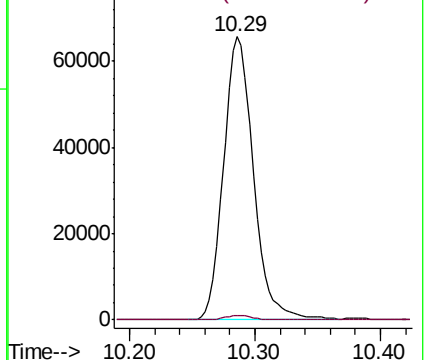
75 100

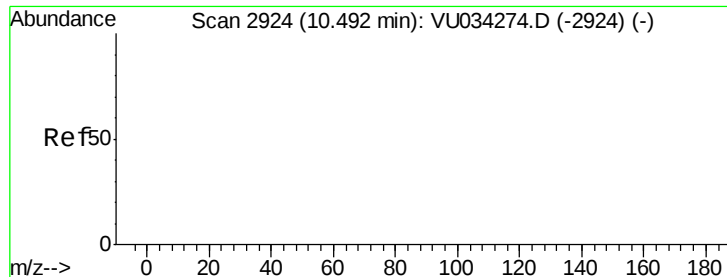
77 1.6 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU034495.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034495.D (-2826) (-)

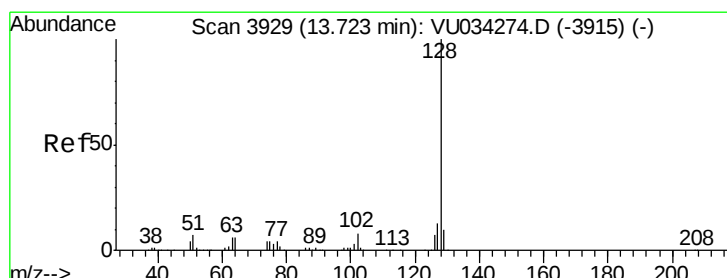
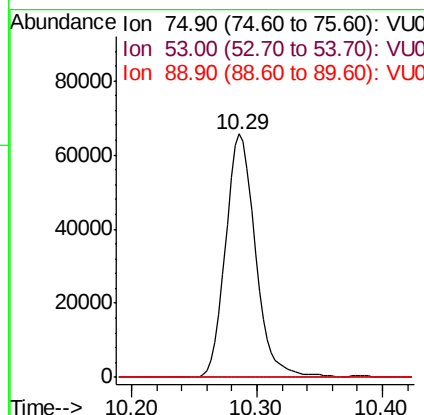
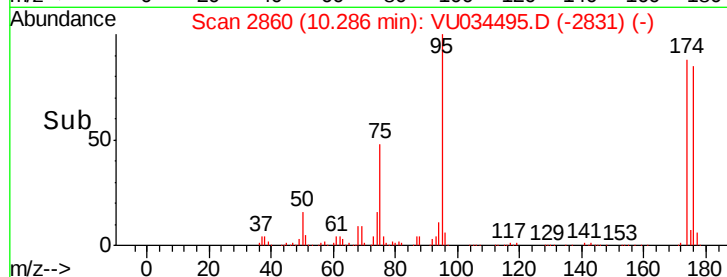
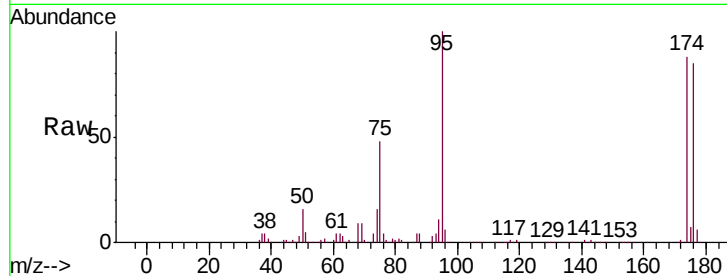




#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.402 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.21 min
 Lab File: VU034495.D
 Acq: 11 Sep 2019 23:21

Instrument :
 MSVOA_U
 ClientSampleId :
 T-11-A4-(0)

Tgt Ion: 75 Resp: 108567
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0



#95
 Naphthalene
 Concen: 3.971 ug/l
 RT: 13.82 min Scan# 3960
 Delta R.T. 0.10 min
 Lab File: VU034495.D
 Acq: 11 Sep 2019 23:21

Tgt Ion: 128 Resp: 84
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.4 12.6#

