

Data File : VU032252.D
Acq On : 23 May 2019 04:18
Operator : JC/SP
Sample : K3001-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YF2

Quant Time: May 23 07:25:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 07:22:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	367849	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	378653	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	152325	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	111691	5.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.20%
7) Chloroethane-d5	1.67	69	97112	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.27	63	188155	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.80%
20) 2-Butanone-d5	4.19	46	236199	40.53	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.06%
24) Chloroform-d	4.64	84	215635	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.31	65	108866	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.00%
32) Benzene-d6	5.33	84	442090	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
36) 1,2-Dichloropropane-d6	6.32	67	132480	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.00%
41) Toluene-d8	7.56	98	381266	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
43) trans-1,3-Dichloropropene-	7.85	79	42574	3.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.40%
46) 2-Hexanone-d5	8.31	63	201442	39.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105993	3.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	61.20%#
64) 1,2-Dichlorobenzene-d4	11.86	152	135867	3.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.80%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.30	85	28286	1.799 ug/L	91
3) Chloromethane	1.33	50	5978	0.379 ug/L	91
9) Trichlorofluoromethane	1.88	101	6427	0.311 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	2324	0.178 ug/L #	22
12) 1,1-Dichloroethene	2.28	96	40646	3.105 ug/L #	42
13) Acetone	2.32	43	12385	6.860 ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	6957	0.495 ug/L	92
19) 1,1-Dichloroethane	3.44	63	445685	20.537 ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	57210	4.171 ug/L	96
25) Chloroform	4.67	83	8867	0.378 ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	347705	17.692 ug/L	98
31) Carbon tetrachloride	4.91	117	48898	2.824 ug/L	99
34) Trichloroethene	6.18	95	44939	3.269 ug/L	96
35) Methylcyclohexane	6.33	83	31310	1.546 ug/L #	20
37) 1,2-Dichloropropane	6.32	63	13112	1.063 ug/L #	87
44) trans-1,3-Dichloropropene	7.85	75	1785	0.129 ug/L	85
47) Tetrachloroethene	8.22	164	11023	0.971 ug/L	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052219\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 07:22:00 2019
Response via : Initial Calibration

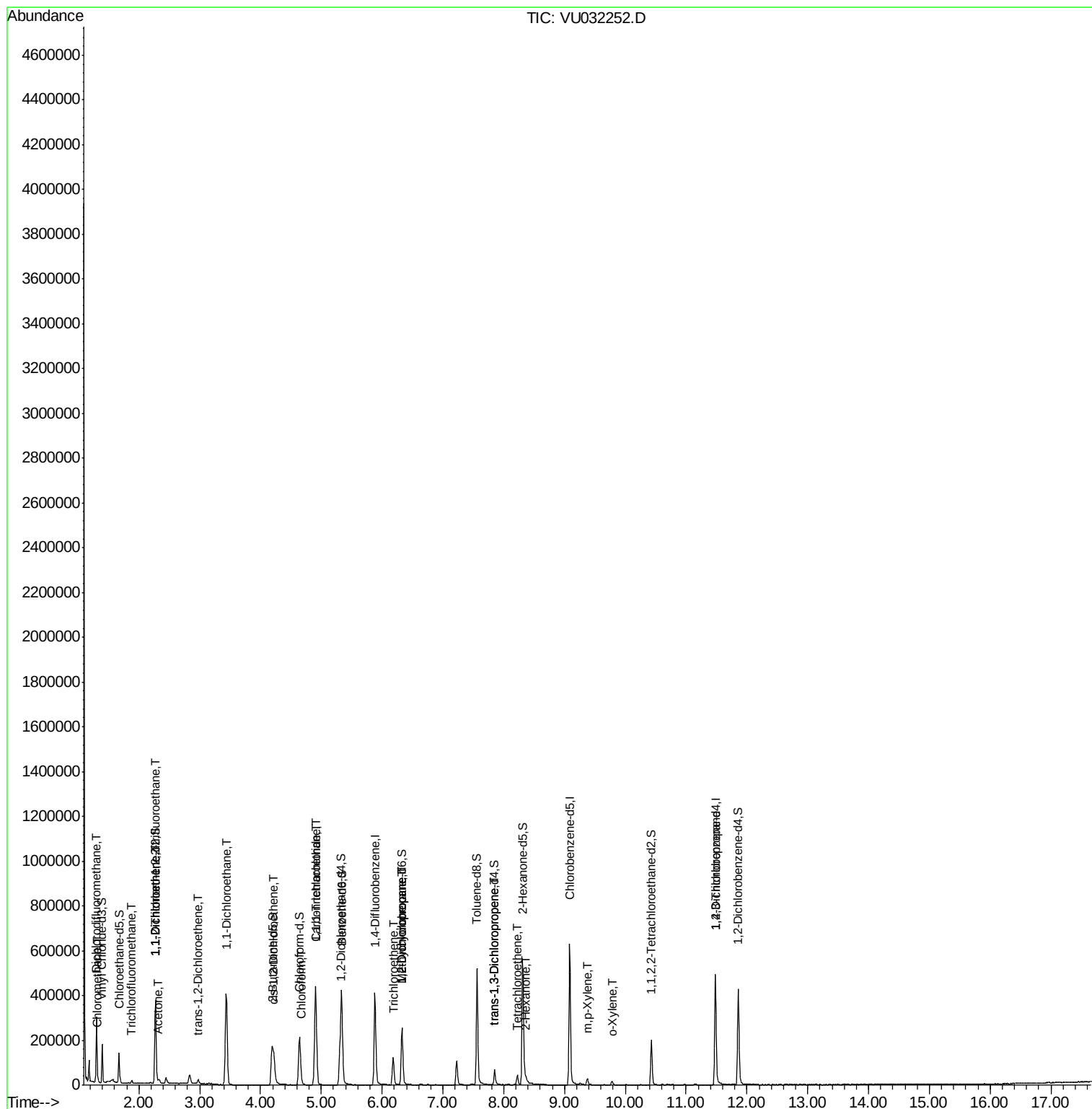
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.37	43	5464	1.143	ug/L #	81
53) m,p-Xylene	9.37	106	10364	0.509	ug/L	77
54) o-Xylene	9.78	106	5373	0.264	ug/L	92
59) 1,2,3-Trichloropropane	11.48	75	15277	1.902	ug/L	93

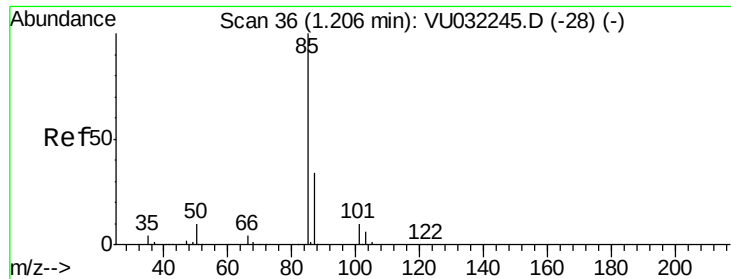
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.799 ug/L

RT: 1.30 min Scan# 66

Delta R.T. 0.10 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

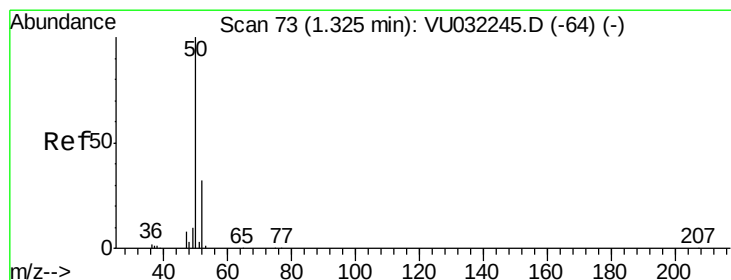
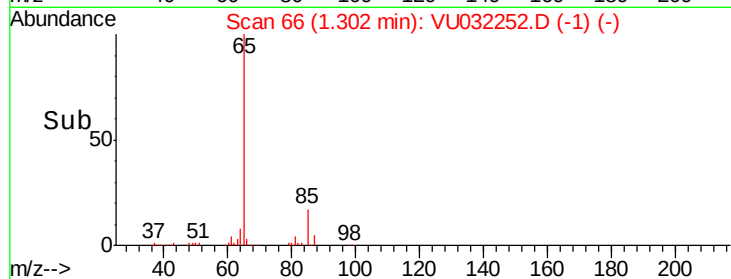
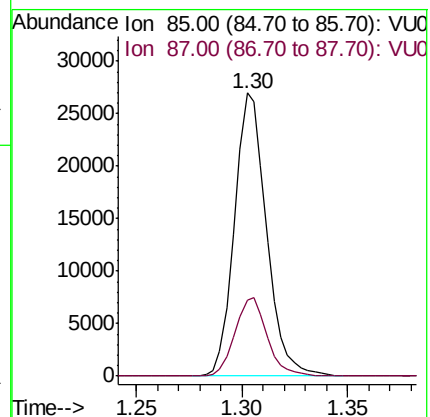
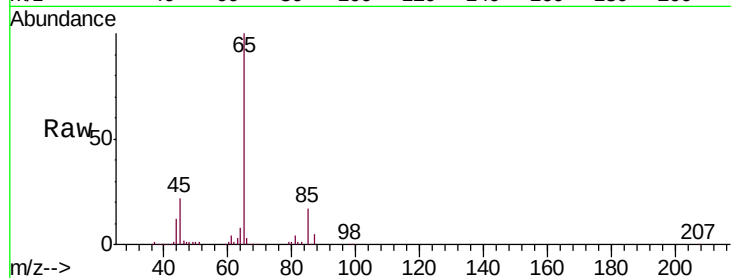
E3YF2

Tgt Ion: 85 Resp: 28286

Ion Ratio Lower Upper

85 100

87 28.0 26.6 39.8



#3

Chloromethane

Concen: 0.379 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032252.D

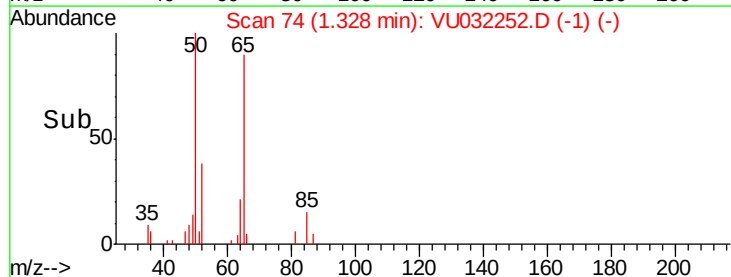
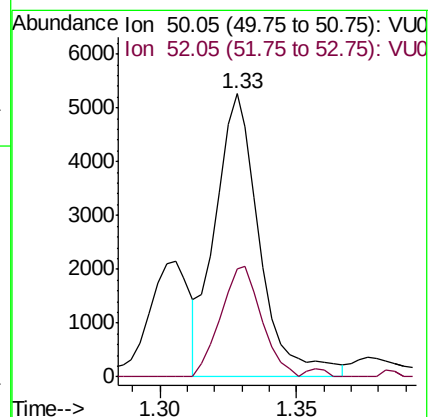
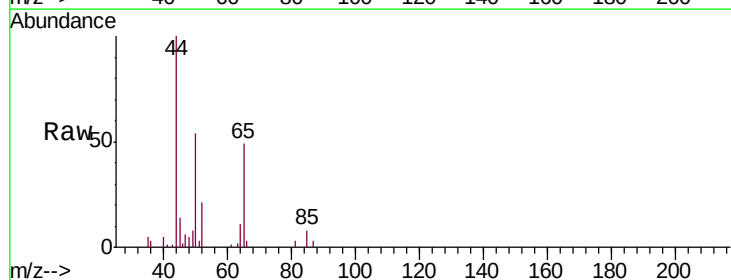
Acq: 23 May 2019 04:18

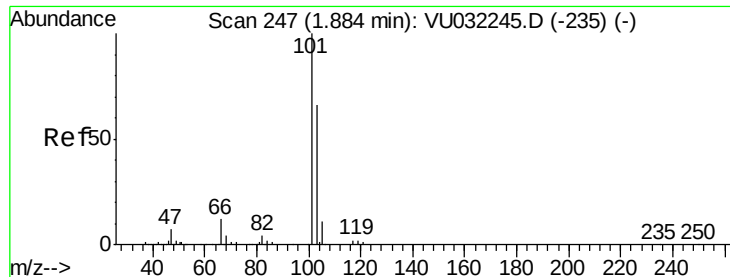
Tgt Ion: 50 Resp: 5978

Ion Ratio Lower Upper

50 100

52 38.2 23.3 43.3





#9

Trichlorofluoromethane

Concen: 0.311 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

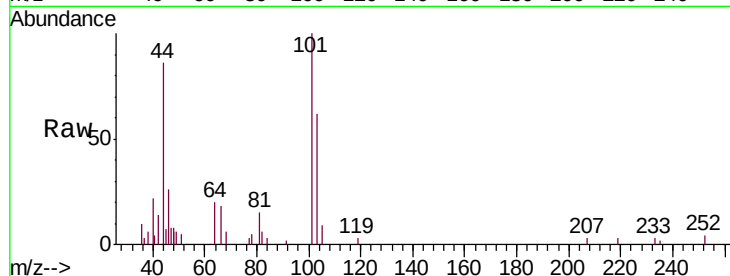
E3YF2

Tgt Ion:101 Resp: 6427

Ion Ratio Lower Upper

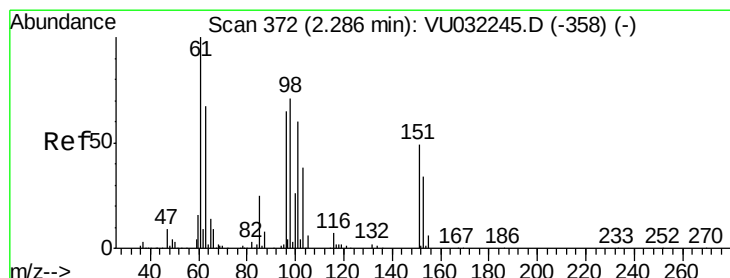
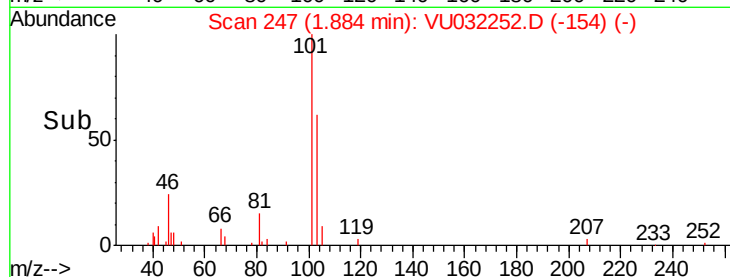
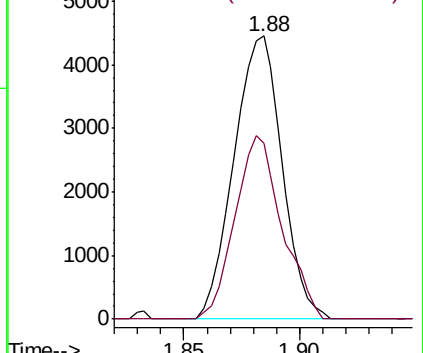
101 100

103 63.3 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.178 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

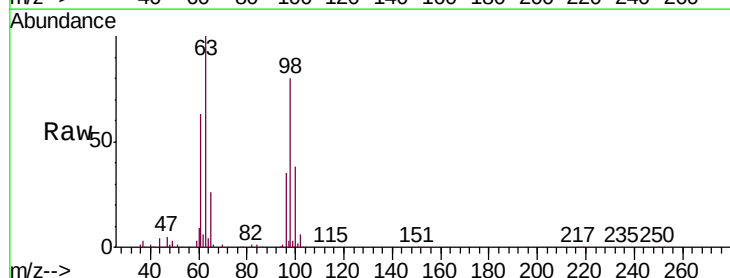
Tgt Ion:101 Resp: 2324

Ion Ratio Lower Upper

101 100

85 2.0 34.2 51.4#

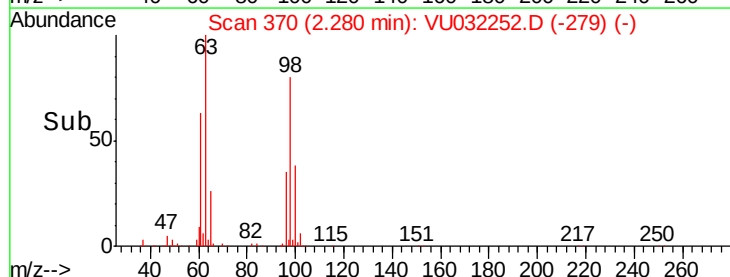
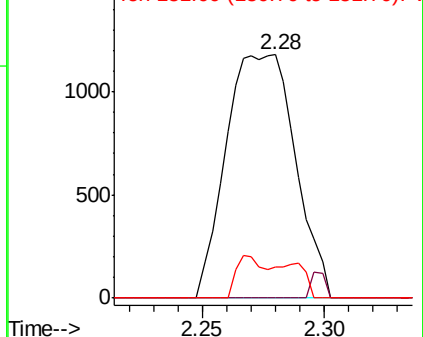
151 5.1 64.4 96.6#

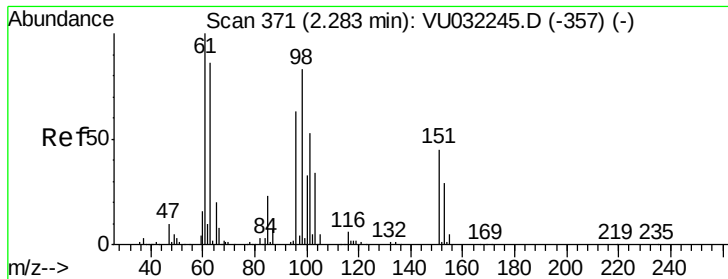


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

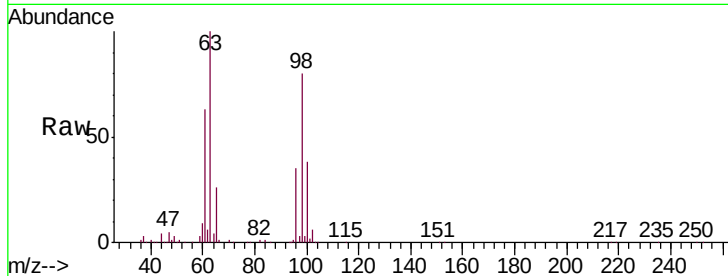




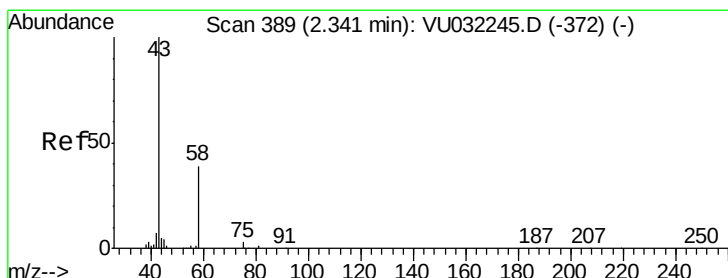
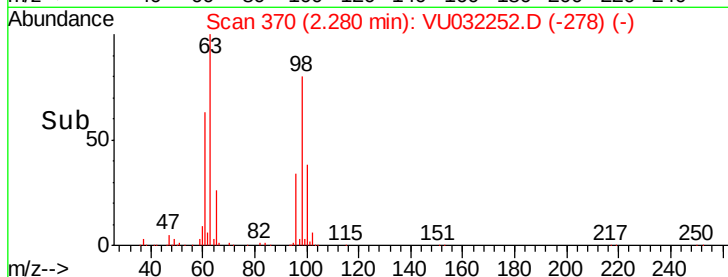
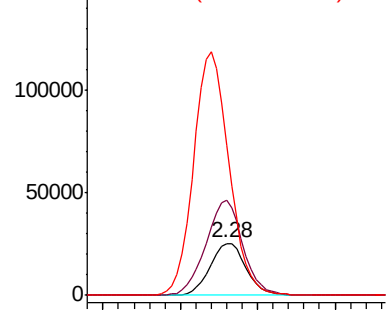
#12
 1,1-Dichloroethene
 Concen: 3.105 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU032252.D
 Acq: 23 May 2019 04:18

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF2

Tgt Ion: 96 Resp: 40646
 Ion Ratio Lower Upper
 96 100
 61 182.7 113.8 211.3
 63 288.4 108.8 202.2#

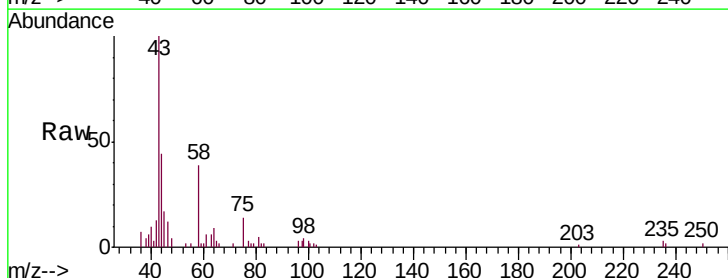


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 63.00 (62.70 to 63.70): VU0

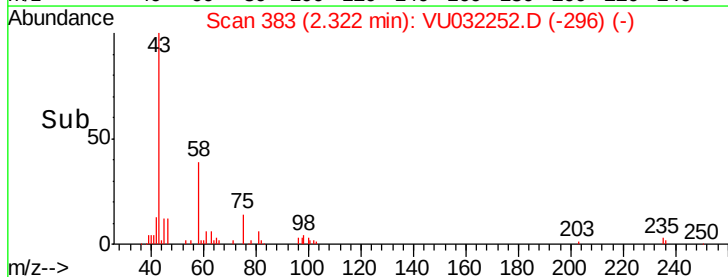
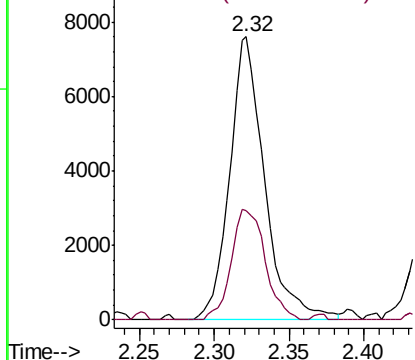


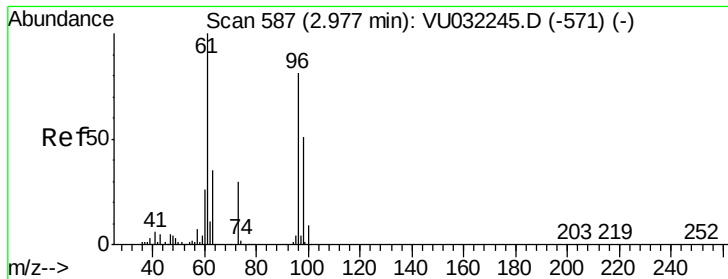
#13
 Acetone
 Concen: 6.860 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. -0.02 min
 Lab File: VU032252.D
 Acq: 23 May 2019 04:18

Tgt Ion: 43 Resp: 12385
 Ion Ratio Lower Upper
 43 100
 58 37.9 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.495 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

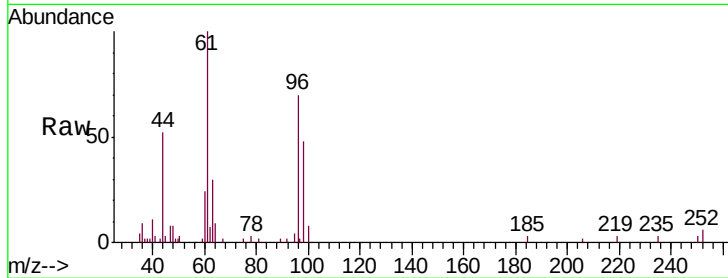
Tgt Ion: 96 Resp: 6957

Ion Ratio Lower Upper

96 100

61 143.0 90.6 168.3

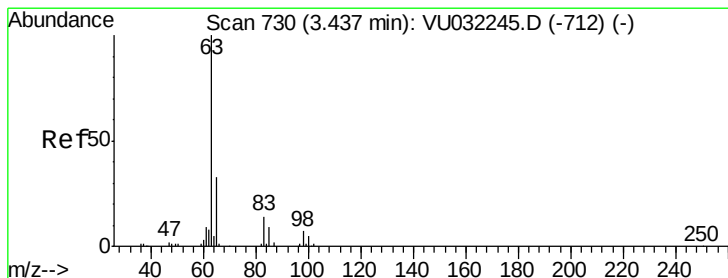
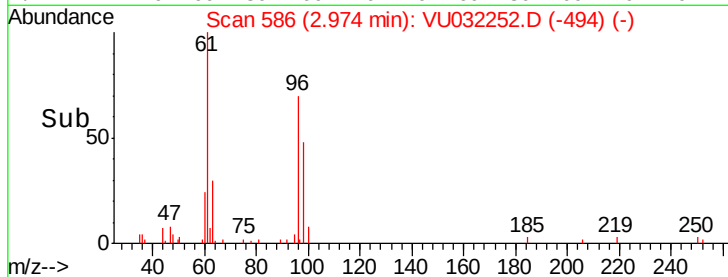
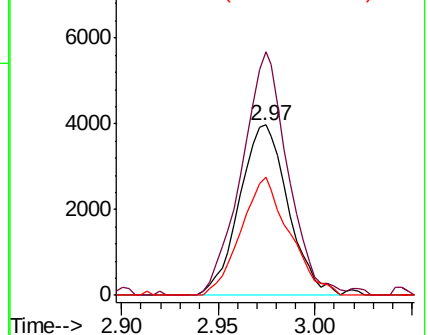
98 69.3 49.5 91.9



Abundance Ion 96.00 (95.70 to 96.70): VU032245.D (-571) (-)

Ion 61.05 (60.75 to 61.75): VU032245.D (-571) (-)

Ion 97.95 (97.65 to 98.65): VU032245.D (-571) (-)



#19

1,1-Dichloroethane

Concen: 20.537 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

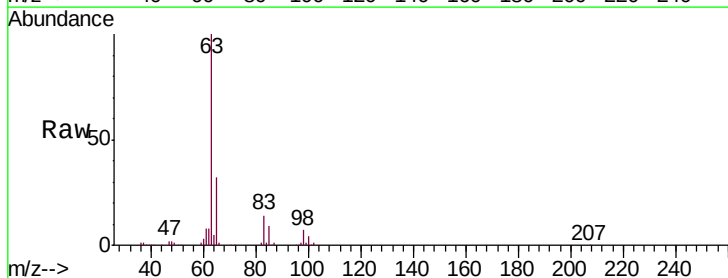
Tgt Ion: 63 Resp: 445685

Ion Ratio Lower Upper

63 100

65 32.4 23.5 43.7

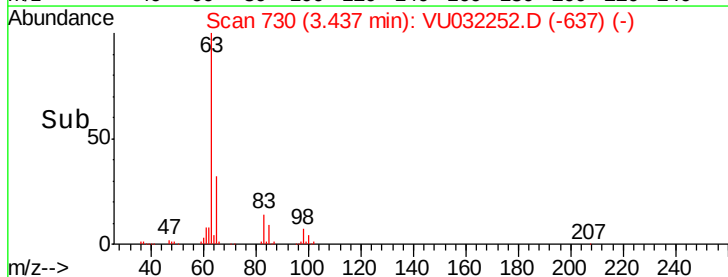
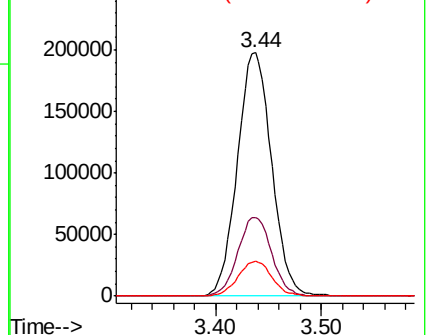
83 14.2 8.8 16.3

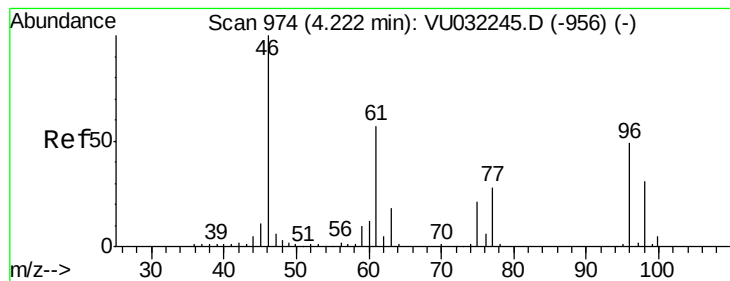


Abundance Ion 63.10 (62.80 to 63.80): VU032245.D (-712) (-)

Ion 65.10 (64.80 to 65.80): VU032245.D (-712) (-)

Ion 83.05 (82.75 to 83.75): VU032245.D (-712) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.171 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

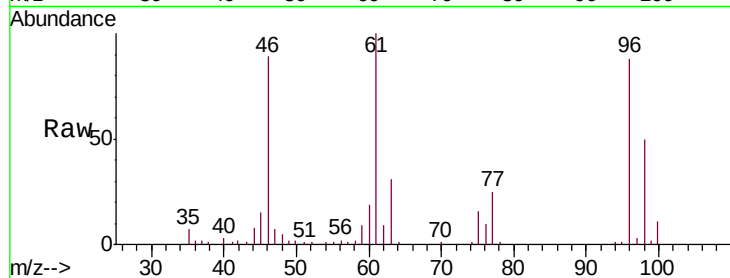
Tgt Ion: 96 Resp: 57210

Ion Ratio Lower Upper

96 100

61 113.3 82.5 153.1

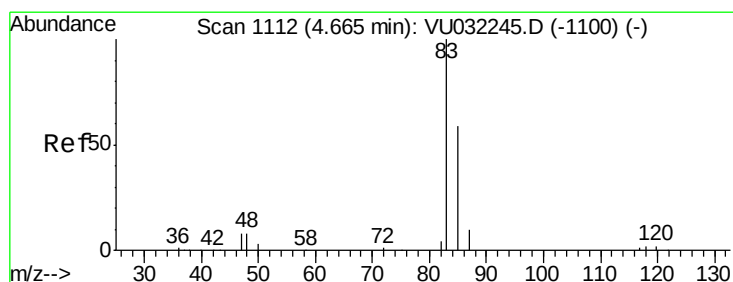
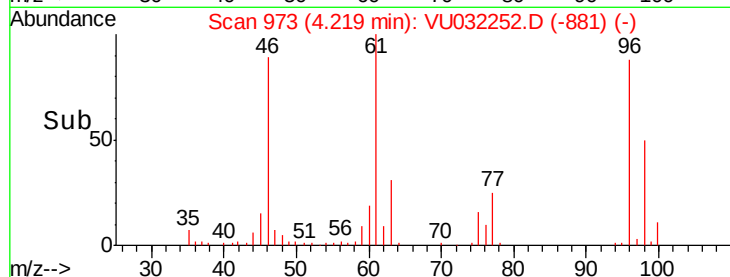
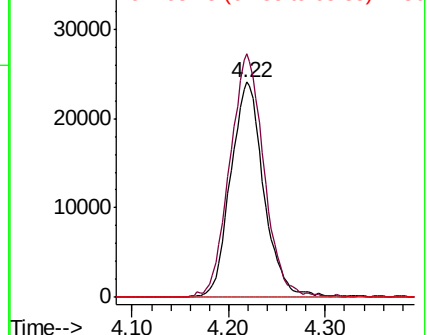
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032245.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU032245.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU032245.D (-956) (-)



#25

Chloroform

Concen: 0.378 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VU032252.D

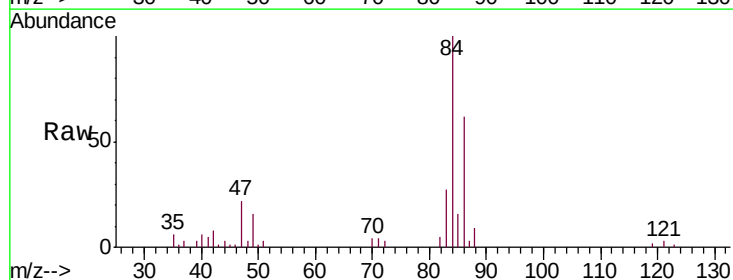
Acq: 23 May 2019 04:18

Tgt Ion: 83 Resp: 8867

Ion Ratio Lower Upper

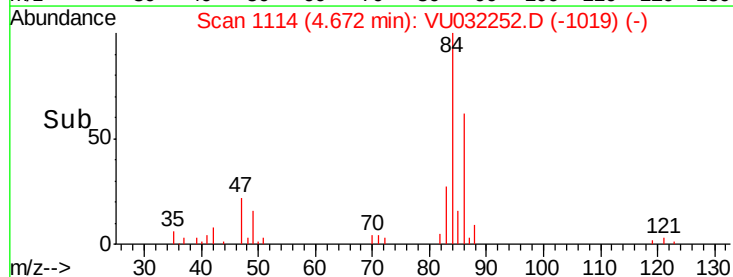
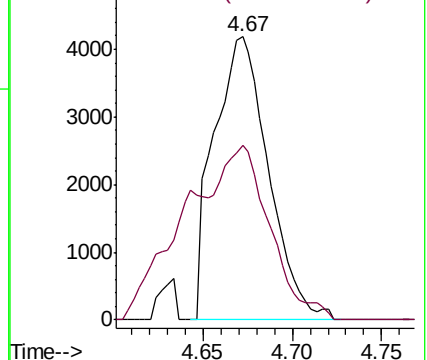
83 100

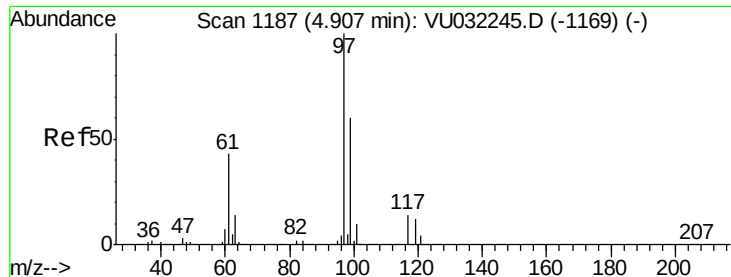
85 61.8 41.6 77.3



Abundance Ion 83.05 (82.75 to 83.75): VU032245.D (-1100) (-)

Ion 85.00 (84.70 to 85.70): VU032245.D (-1100) (-)

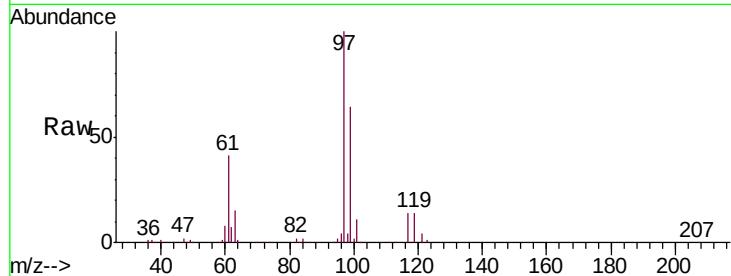




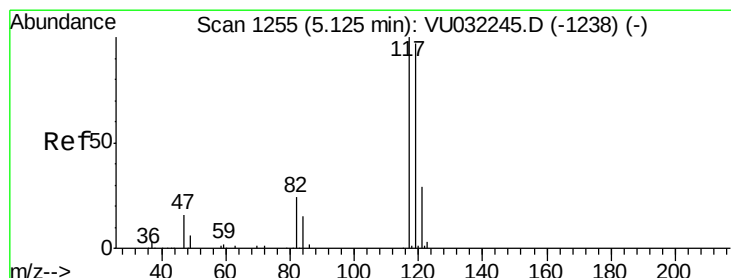
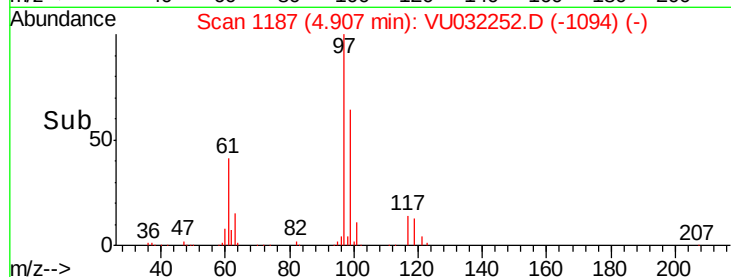
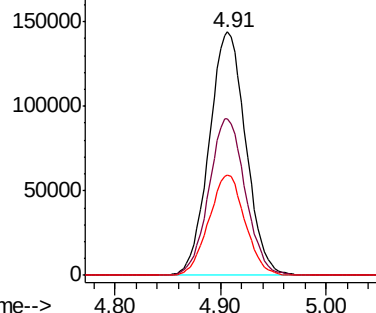
#29
 1,1,1-Trichloroethane
 Concen: 17.692 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032252.D
 Acq: 23 May 2019 04:18

Instrument :
 MSVOA_U
 ClientSampled :
 E3YF2

Tgt Ion: 97 Resp: 347705
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.3 75.5
 61 40.8 34.1 51.1

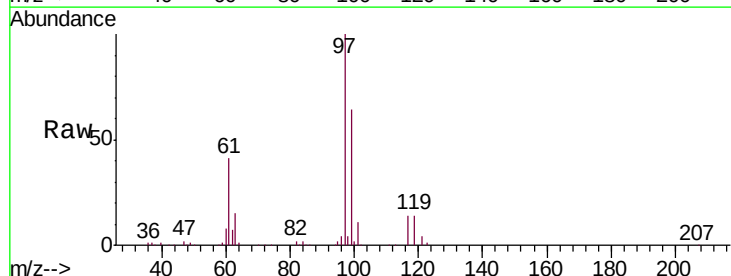


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

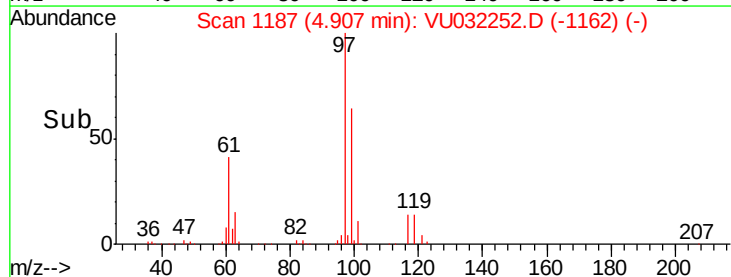
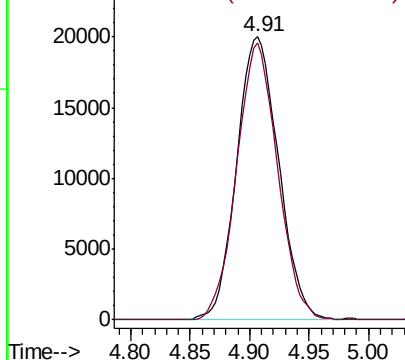


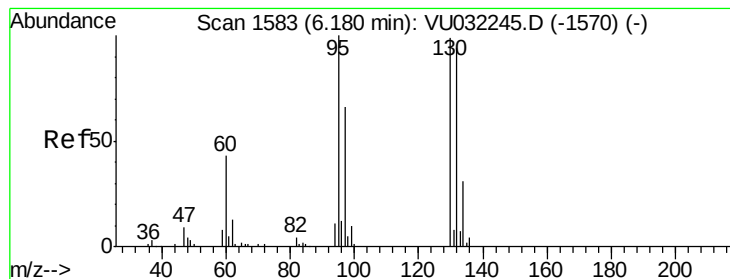
#31
 Carbon tetrachloride
 Concen: 2.824 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.22 min
 Lab File: VU032252.D
 Acq: 23 May 2019 04:18

Tgt Ion: 117 Resp: 48898
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.9 115.3



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





#34

Trichloroethene

Concen: 3.269 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

Tgt Ion: 95 Resp: 44939

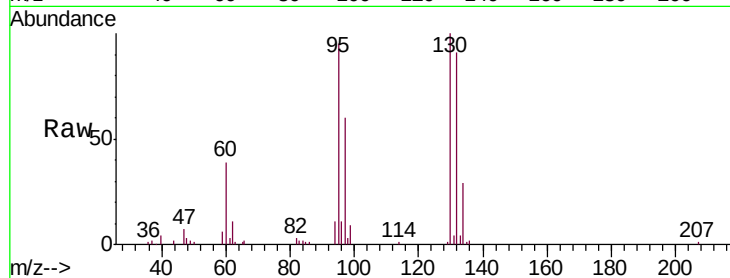
Ion Ratio Lower Upper

95 100

97 63.1 39.9 74.1

132 95.3 65.9 122.5

130 104.8 70.6 131.2

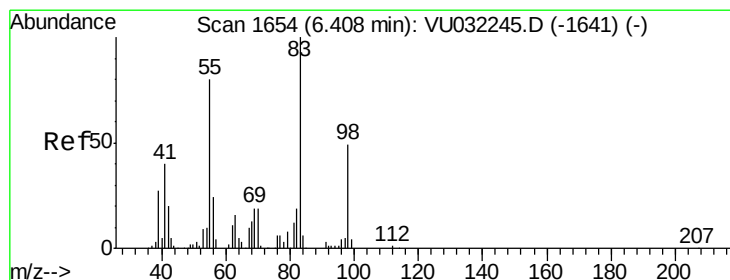
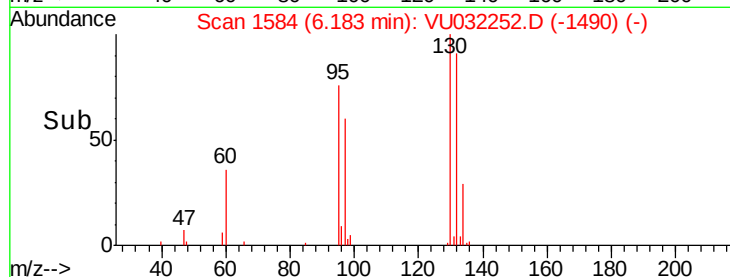
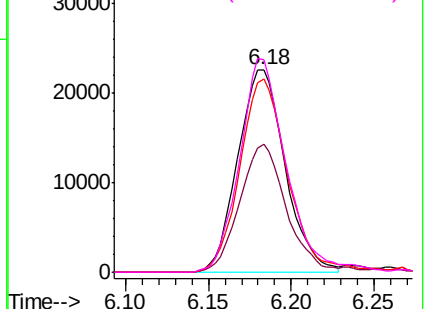


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.546 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

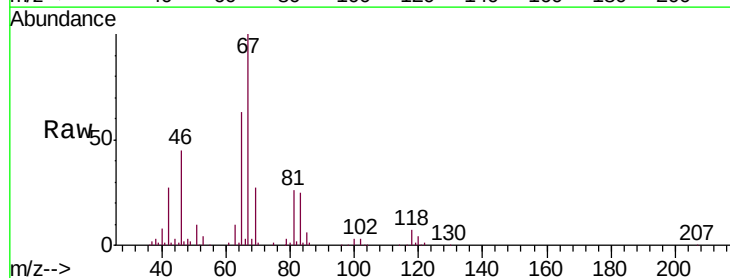
Tgt Ion: 83 Resp: 31310

Ion Ratio Lower Upper

83 100

55 0.6 59.7 89.5#

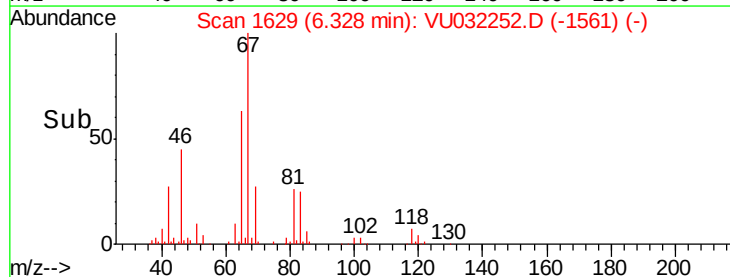
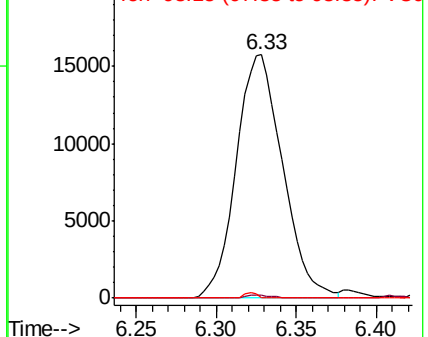
98 0.5 37.5 56.3#

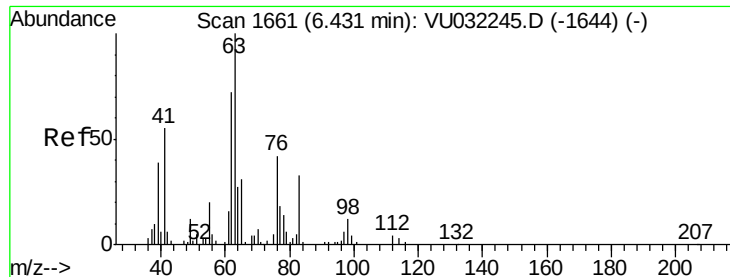


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 1.063 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.11 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

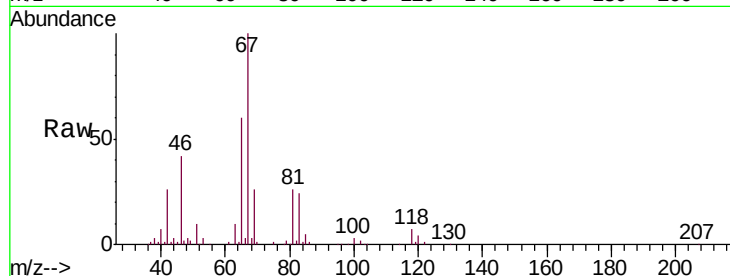
E3YF2

Tgt Ion: 63 Resp: 13112

Ion Ratio Lower Upper

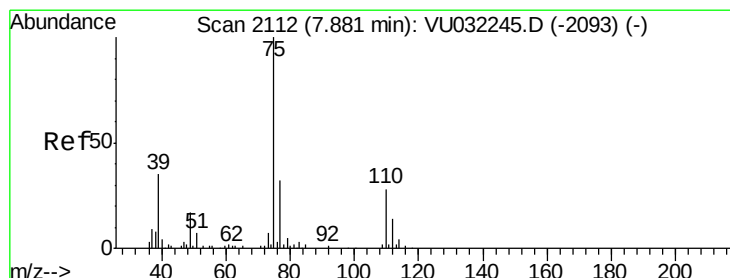
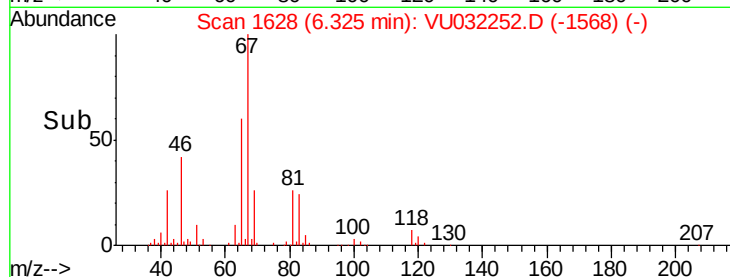
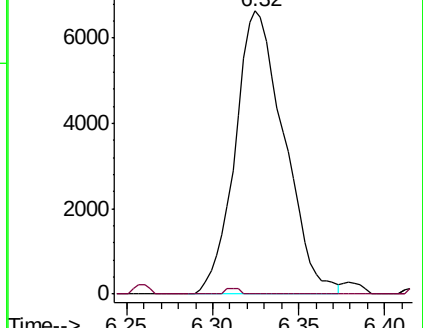
63 100

112 0.6 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU032245.D (-1644) (-)

Ion 112.10 (111.80 to 112.80): VU032245.D (-1644) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.129 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032252.D

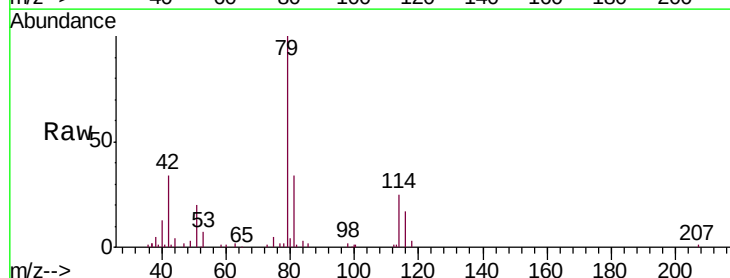
Acq: 23 May 2019 04:18

Tgt Ion: 75 Resp: 1785

Ion Ratio Lower Upper

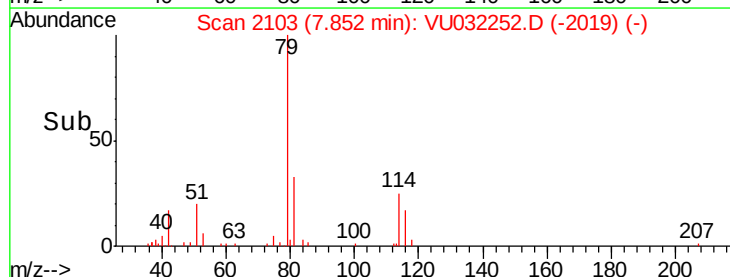
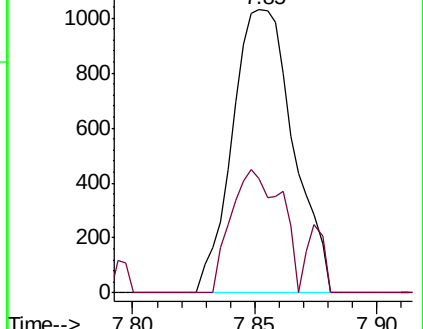
75 100

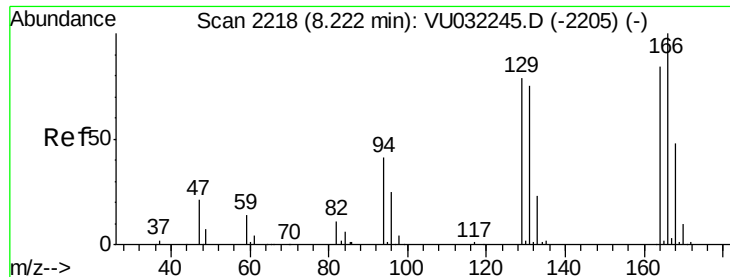
77 40.4 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VU032245.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032245.D (-2093) (-)





#47

Tetrachloroethene

Concen: 0.971 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

Tgt Ion:164 Resp: 11023

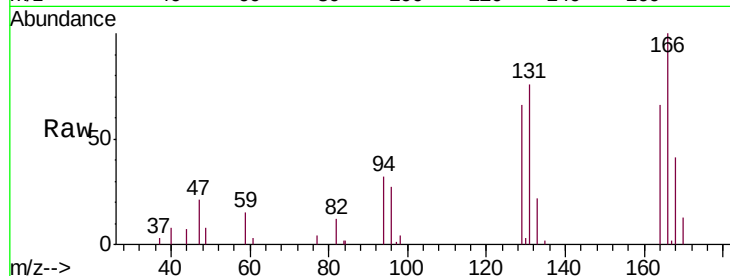
Ion Ratio Lower Upper

164 100

129 99.5 67.1 124.7

131 114.3 62.2 115.4

166 150.6 90.9 168.9

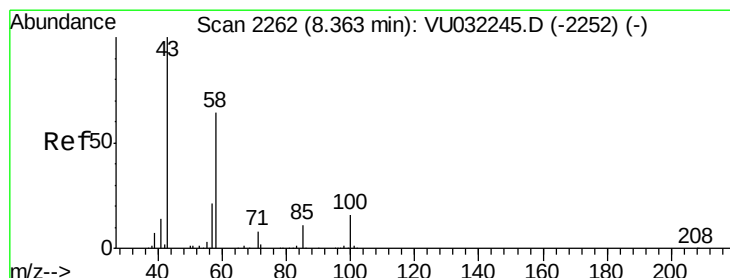
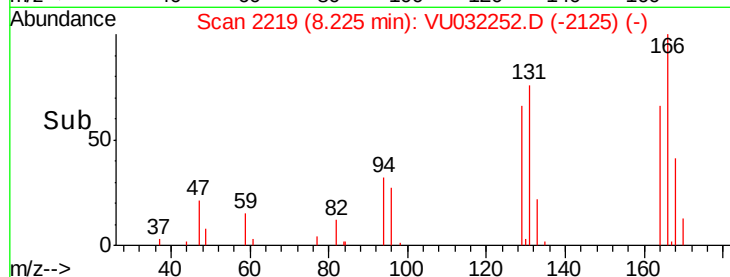
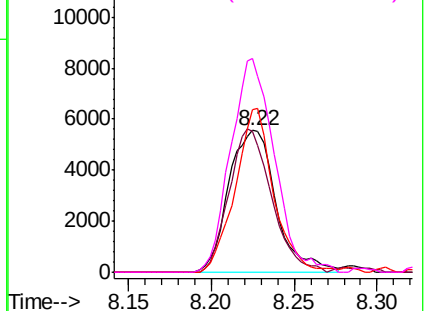


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.143 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Tgt Ion: 43 Resp: 5464

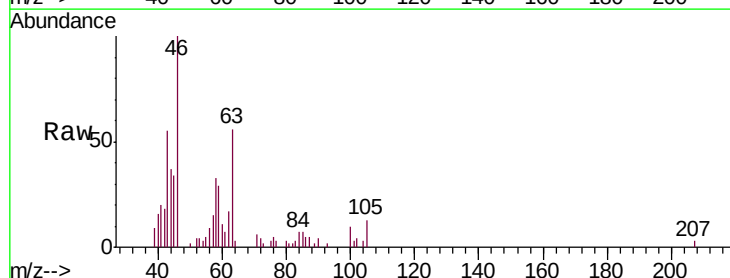
Ion Ratio Lower Upper

43 100

58 71.1 49.7 74.5

57 0.0 17.1 25.7#

100 18.4 11.6 17.4#

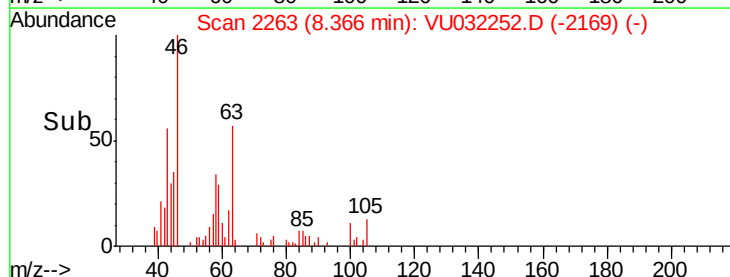
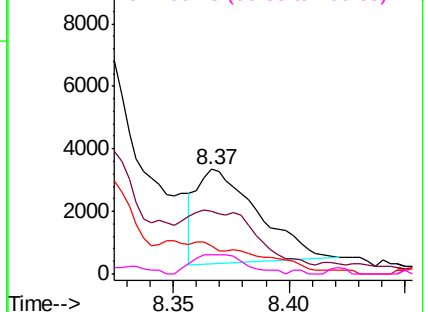


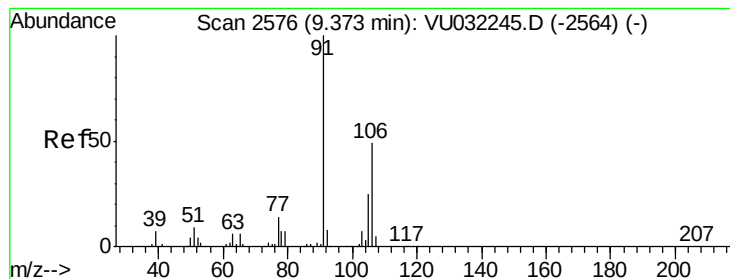
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#53

m,p-Xylene

Concen: 0.509 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

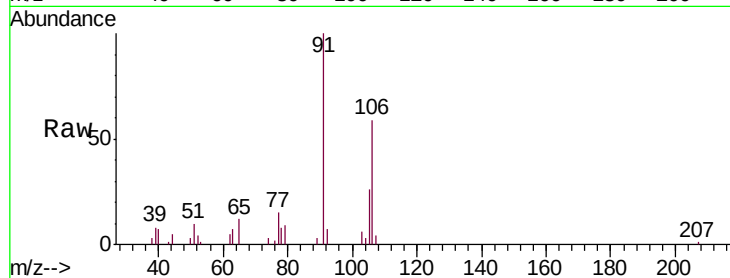
E3YF2

Tgt Ion:106 Resp: 10364

Ion Ratio Lower Upper

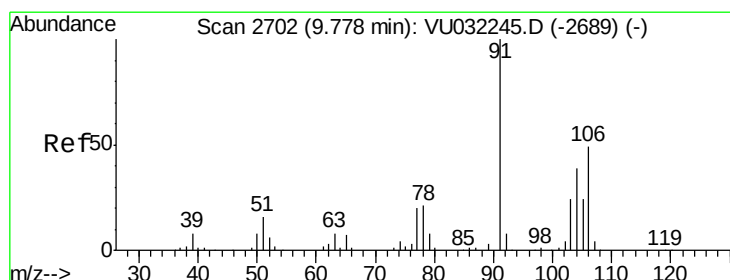
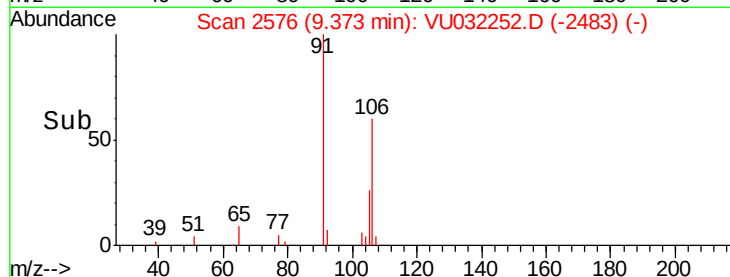
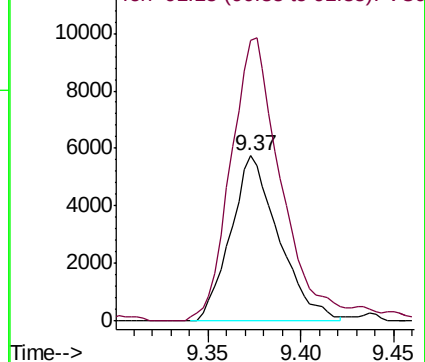
106 100

91 169.8 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.264 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VU032252.D

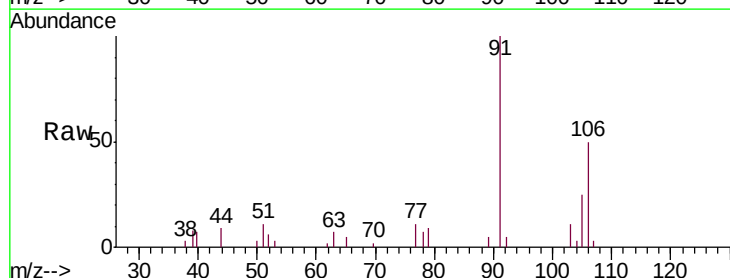
Acq: 23 May 2019 04:18

Tgt Ion:106 Resp: 5373

Ion Ratio Lower Upper

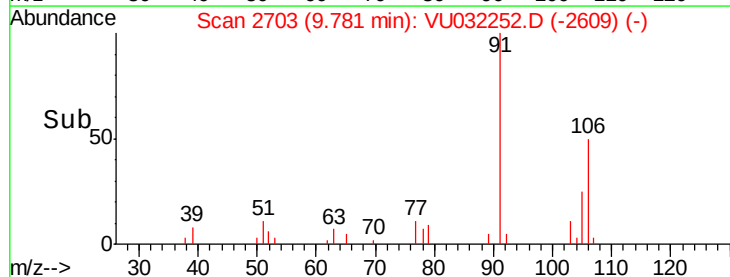
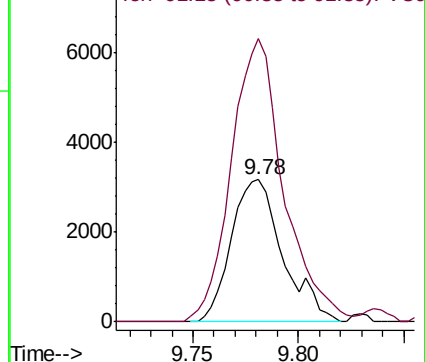
106 100

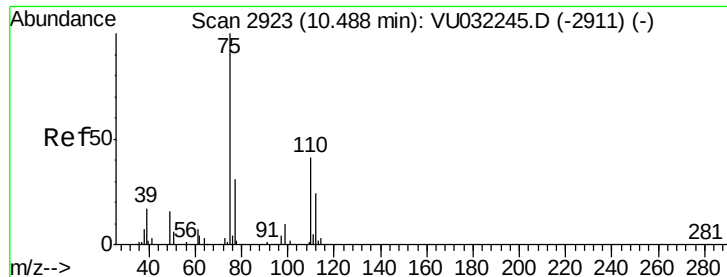
91 198.9 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.902 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU032252.D

Acq: 23 May 2019 04:18

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

Tgt Ion: 75 Resp: 15277

Ion Ratio Lower Upper

75 100

77 39.6 28.2 42.4

