

Data File : VU029400.D
Acq On : 11 Feb 2019 16:45
Operator : JC/SP
Sample : K1436-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESX94

Quant Time: Feb 12 01:23:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 01:17:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	238739	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	225093	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	119578	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82654	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.68	69	68225	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.27	63	127042	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.19	46	157953	49.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.54%
24) Chloroform-d	4.65	84	128906	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.31	65	64951	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.34	84	270834	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.33	67	79719	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.56	98	264855	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.85	79	35119	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.31	63	161958	50.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	65830	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	112440	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Qvalue
6) Bromomethane	1.63	94	639	0.044 ug/L	88
8) Chloroethane	1.79	64	9187	0.721 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1910	0.103 ug/L #	46
12) 1,1-Dichloroethene	2.27	96	2028	0.116 ug/L #	1
13) Acetone	2.32	43	6358	2.504 ug/L	95
14) Carbon disulfide	2.48	76	6620	0.112 ug/L #	87
25) Chloroform	4.65	83	1607	0.058 ug/L #	24
37) 1,2-Dichloropropane	6.33	63	8854	0.606 ug/L #	87
40) 4-Methyl-2-pentanone	7.47	43	2694	0.326 ug/L #	76
42) Toluene	7.63	91	3046	0.046 ug/L	100
48) 2-Hexanone	8.37	43	6747	1.180 ug/L #	85
52) Ethylbenzene	9.25	91	5113	0.068 ug/L	91
53) m,p-xylene	9.38	106	6147	0.205 ug/L	96
54) o-xylene	9.78	106	2343	0.081 ug/L	72
55) Styrene	9.80	104	1859	0.038 ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	13230	1.427 ug/L	91
62) 1,3-Dichlorobenzene	11.42	146	2167	0.059 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021119\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 01:17:05 2019
Response via : Initial Calibration

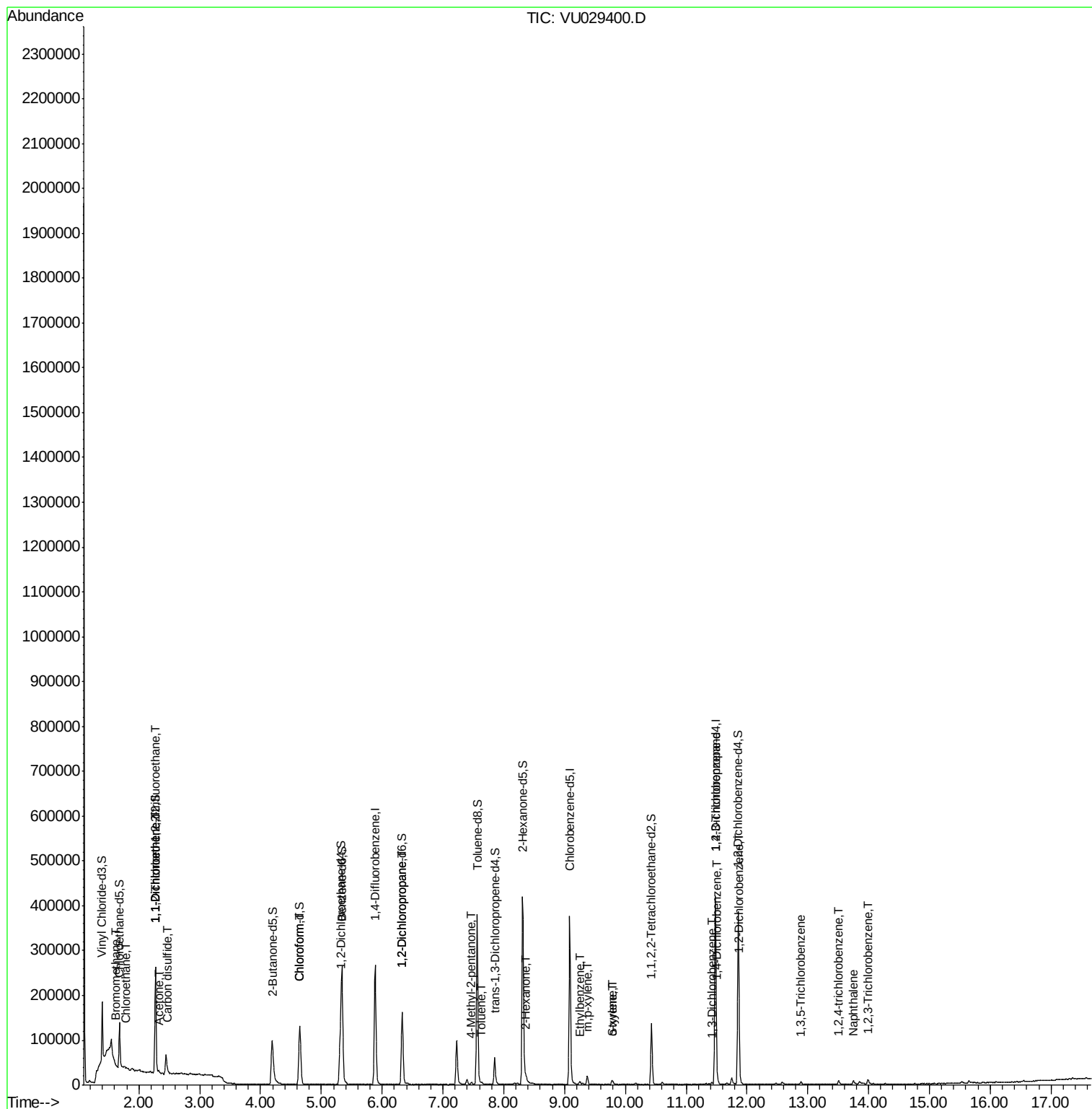
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.51	146	3057	0.081	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	2543	0.073	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	2373	0.078	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	4150	0.155	ug/L	96
69) Naphthalene	13.75	128	9291	0.224	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	4642	0.192	ug/L	92

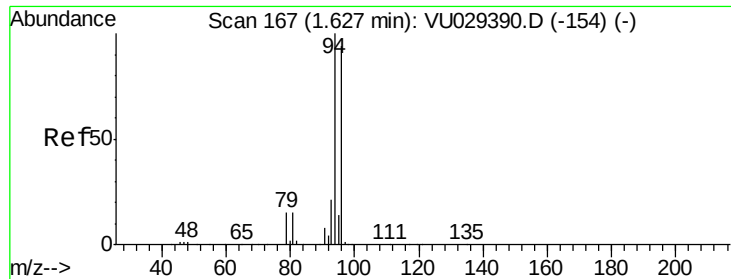
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.044 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029400.D

Acq: 11 Feb 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

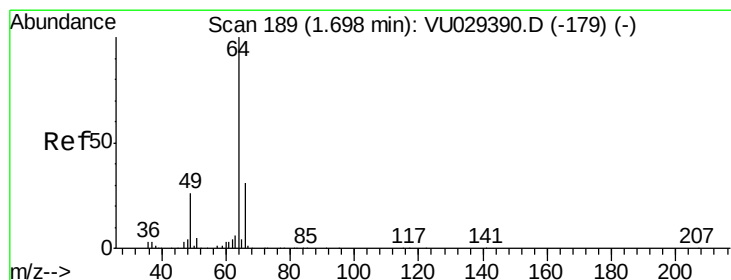
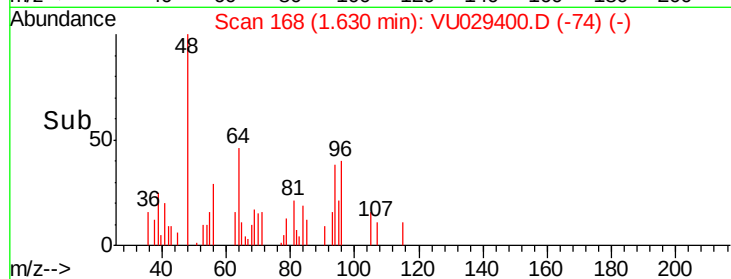
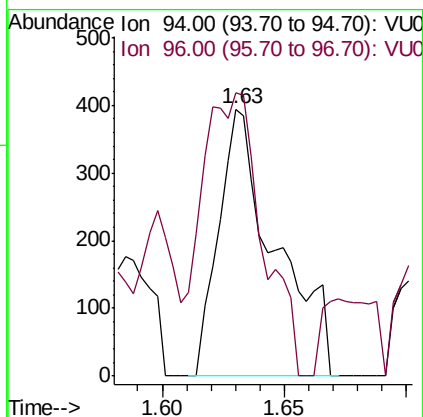
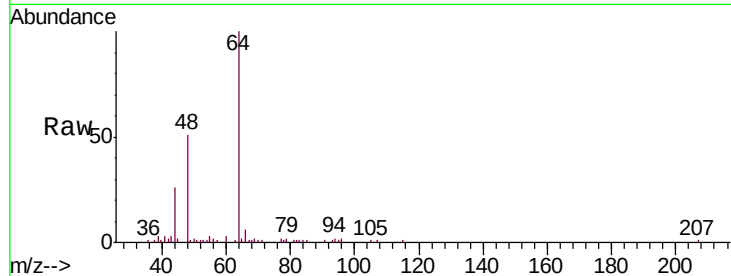
ESX94

Tgt Ion: 94 Resp: 639

Ion Ratio Lower Upper

94 100

96 105.8 66.1 122.7



#8

Chloroethane

Concen: 0.721 ug/L

RT: 1.79 min Scan# 218

Delta R.T. 0.09 min

Lab File: VU029400.D

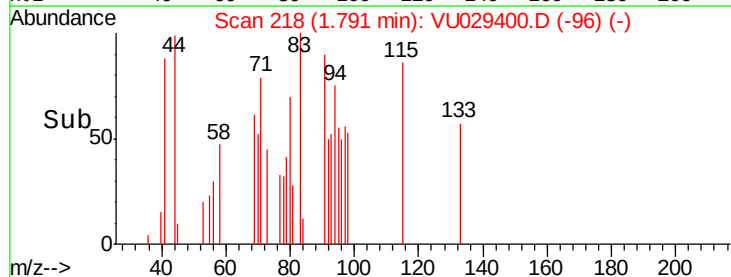
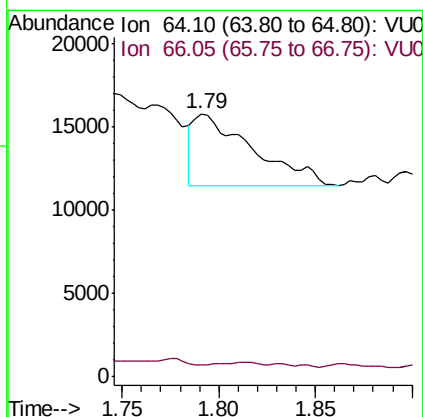
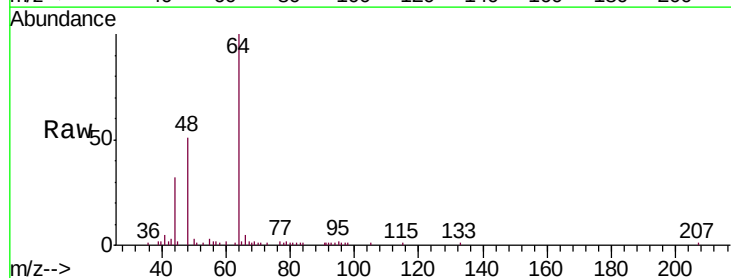
Acq: 11 Feb 2019 16:45

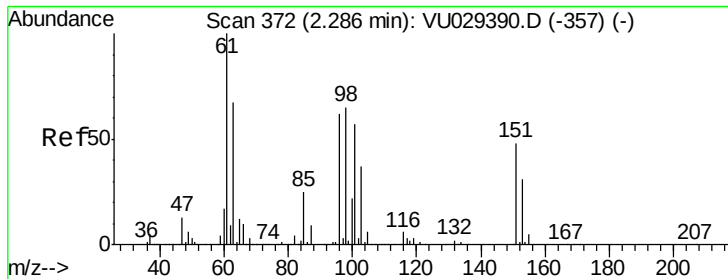
Tgt Ion: 64 Resp: 9187

Ion Ratio Lower Upper

64 100

66 4.6 21.8 40.4#





#10

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

Concen: 0.103 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029400.D

Acq: 11 Feb 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

ESX94

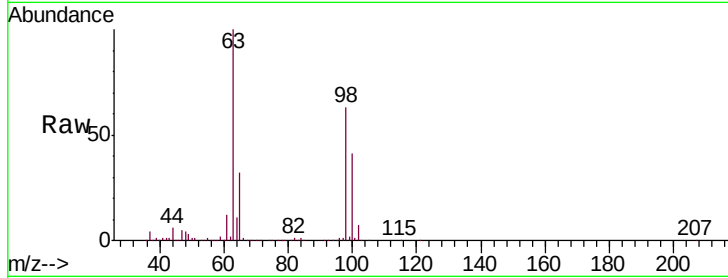
Tgt Ion:101 Resp: 1910

Ion Ratio Lower Upper

101 100

85 29.2 34.9 52.3#

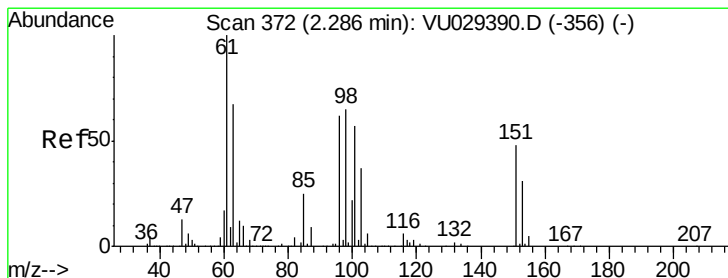
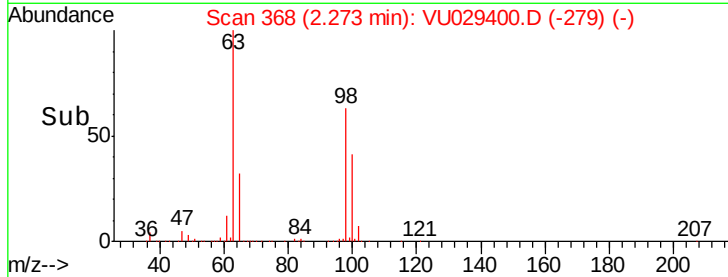
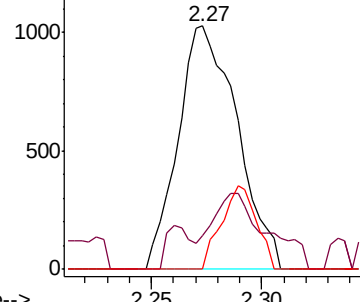
151 20.2 67.0 100.4#



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: 0.116 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029400.D

Acq: 11 Feb 2019 16:45

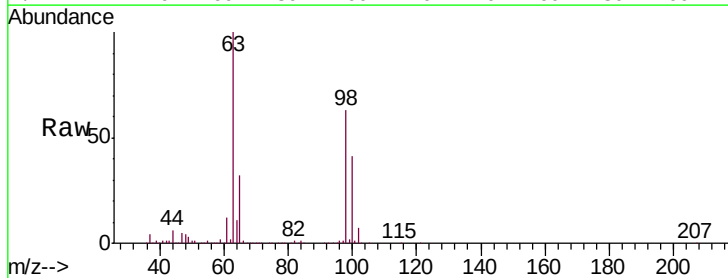
Tgt Ion: 96 Resp: 2028

Ion Ratio Lower Upper

96 100

61 987.0 112.4 208.8#

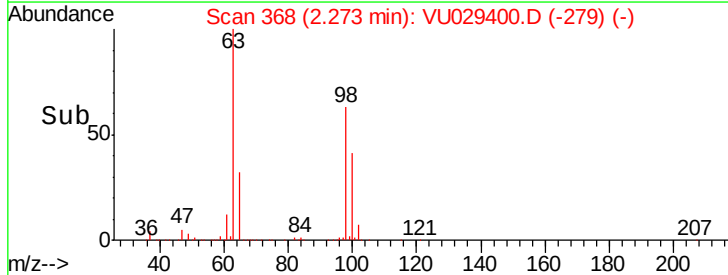
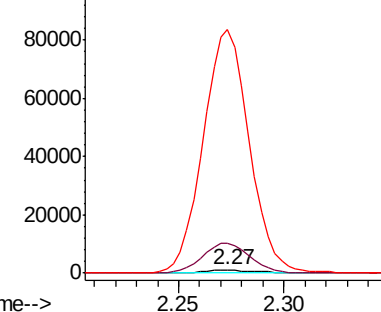
63 8046.2 75.5 140.3#

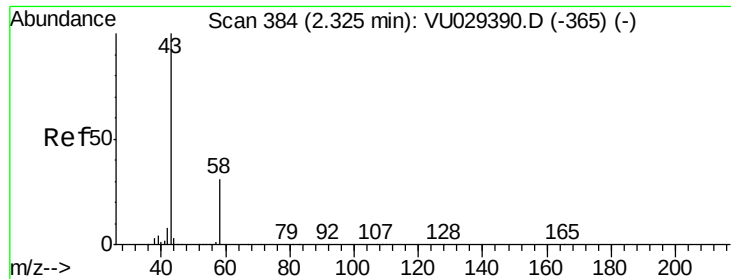


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.504 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU029400.D

Acq: 11 Feb 2019 16:45

Instrument :

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ClientSampleId :

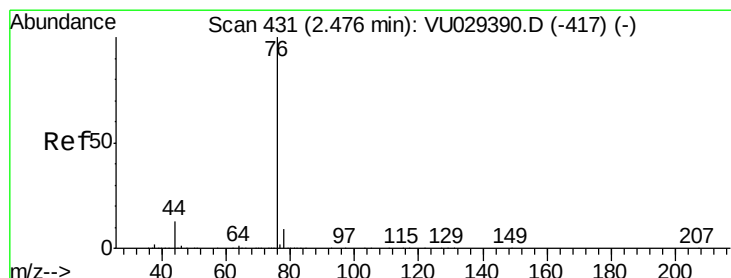
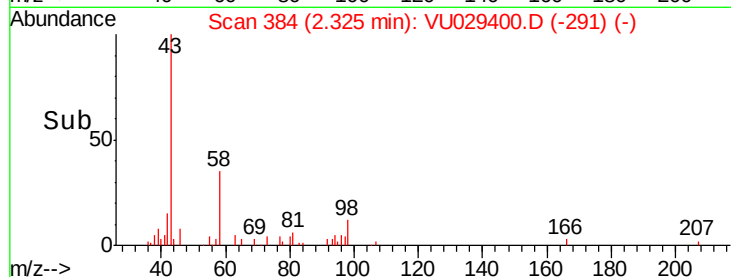
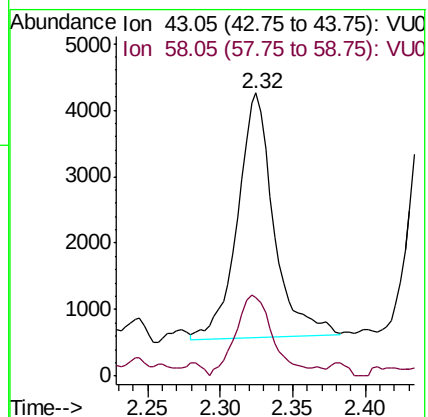
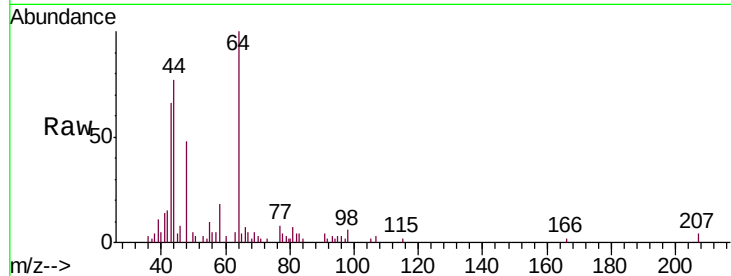
ESX94

Tgt Ion: 43 Resp: 6358

Ion Ratio Lower Upper

43 100

58 34.9 0.0 64.2



#14

Carbon disulfide

Concen: 0.112 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029400.D

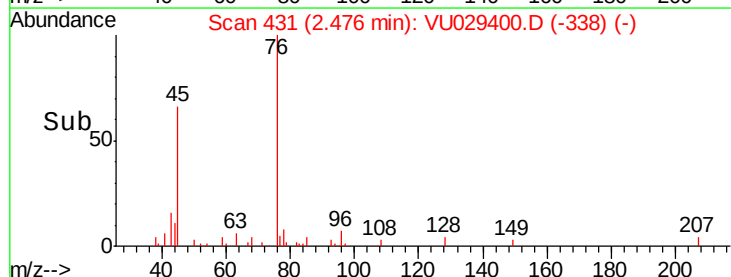
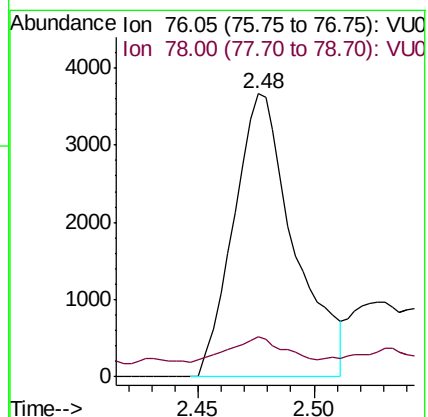
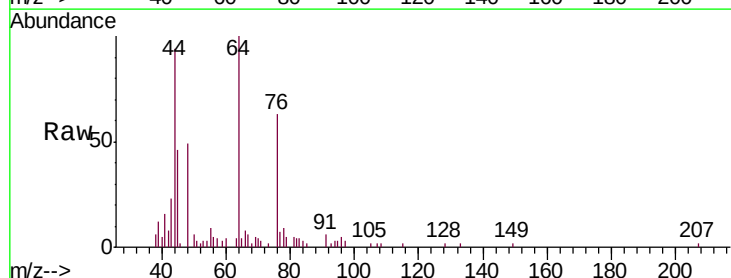
Acq: 11 Feb 2019 16:45

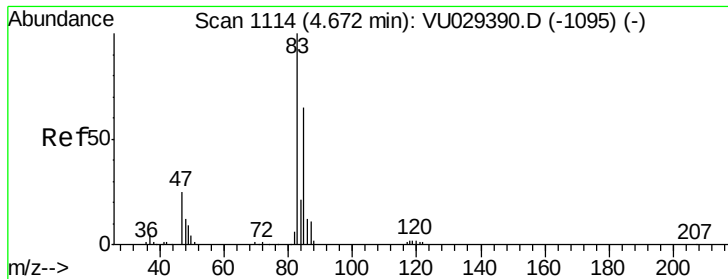
Tgt Ion: 76 Resp: 6620

Ion Ratio Lower Upper

76 100

78 14.0 7.3 10.9#

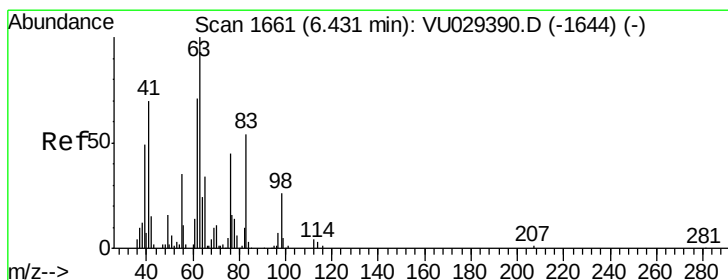
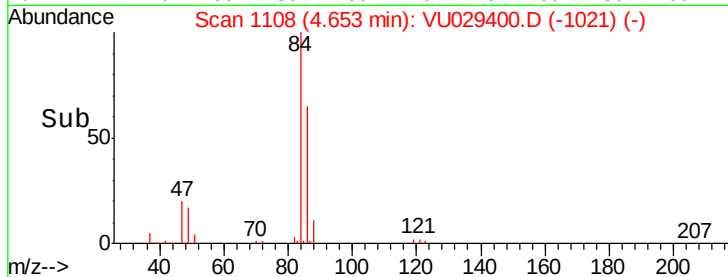
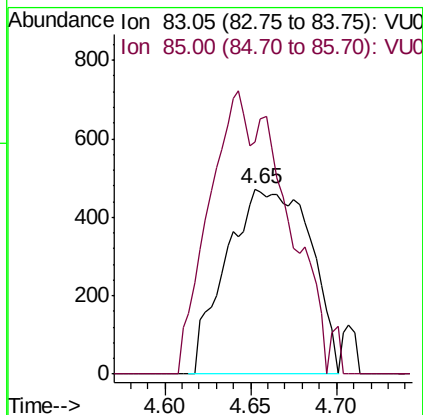
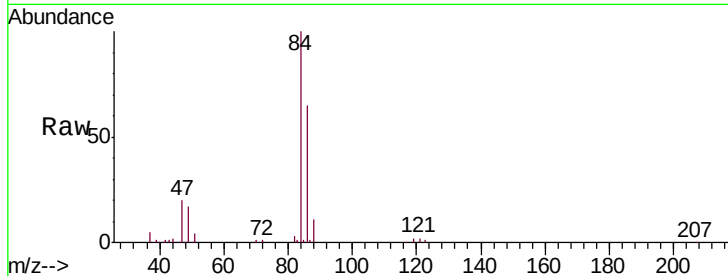




#25
Chloroform
Concen: 0.058 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.02 min
Lab File: VU029400.D
Acq: 11 Feb 2019 16:45

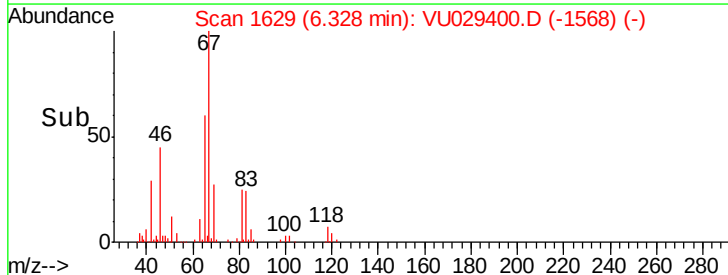
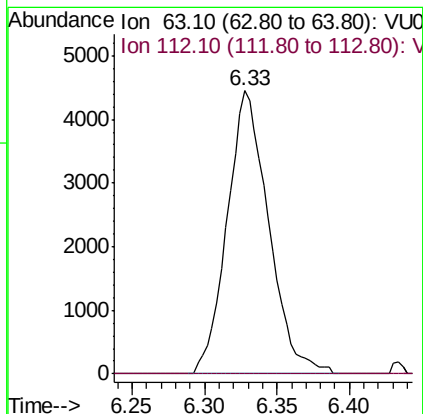
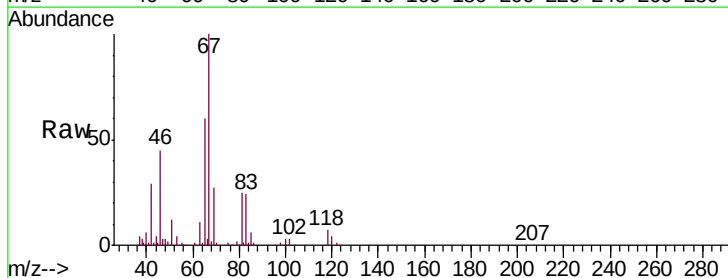
Instrument :
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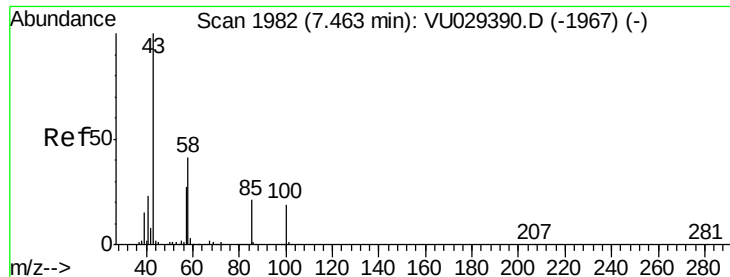
Tgt Ion: 83 Resp: 1607
Ion Ratio Lower Upper
83 100
85 125.7 45.7 84.9#



#37
1,2-Dichloropropane
Concen: 0.606 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029400.D
Acq: 11 Feb 2019 16:45

Tgt Ion: 63 Resp: 8854
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

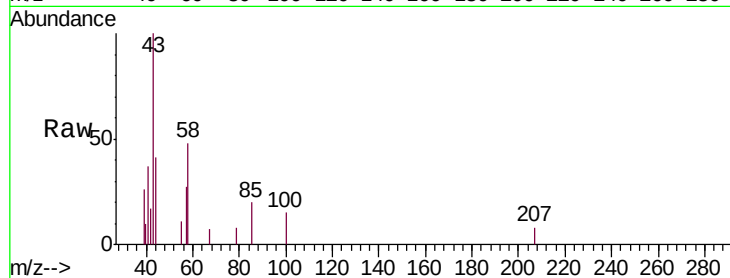




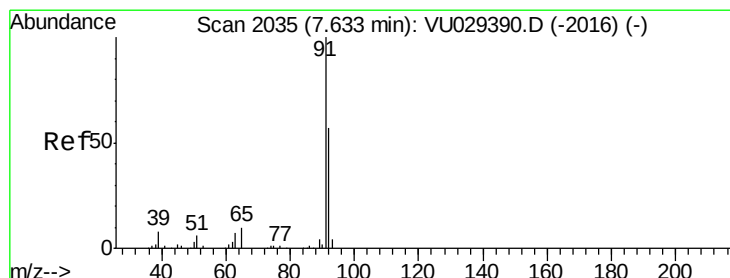
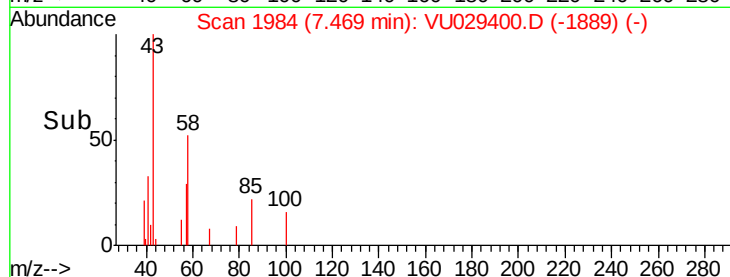
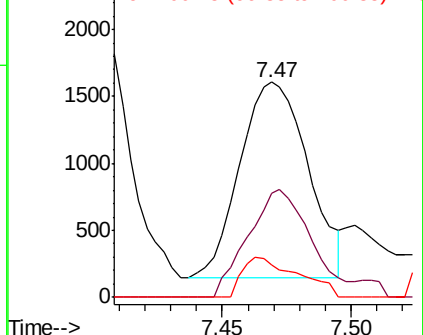
#40
 4-Methyl-2-pentanone
 Concen: 0.326 ug/L
 RT: 7.47 min Scan# 1984
 Delta R.T. 0.01 min
 Lab File: VU029400.D
 Acq: 11 Feb 2019 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ESX94

Tgt Ion: 43 Resp: 2694
 Ion Ratio Lower Upper
 43 100
 58 51.3 33.0 49.4#
 100 0.0 14.6 21.8#

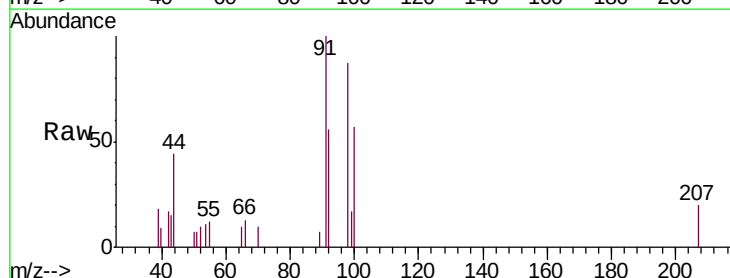


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0

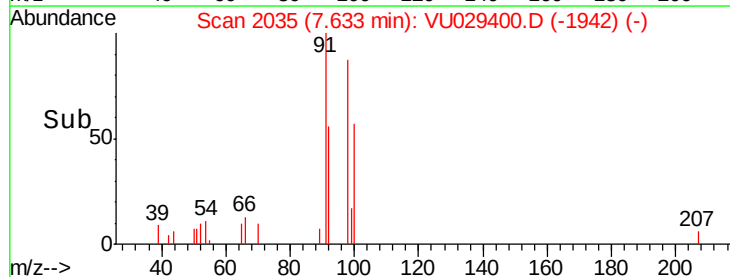
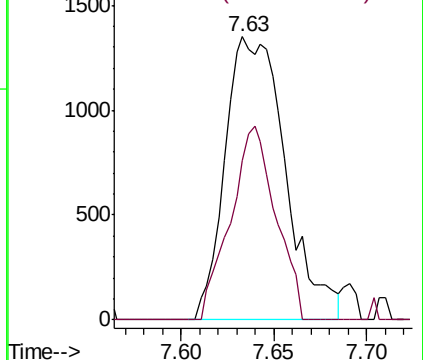


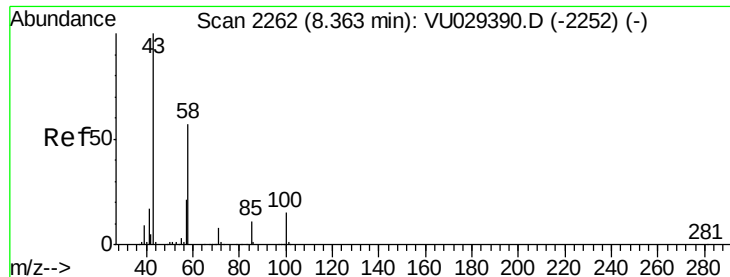
#42
 Toluene
 Concen: 0.046 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VU029400.D
 Acq: 11 Feb 2019 16:45

Tgt Ion: 91 Resp: 3046
 Ion Ratio Lower Upper
 91 100
 92 56.4 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0

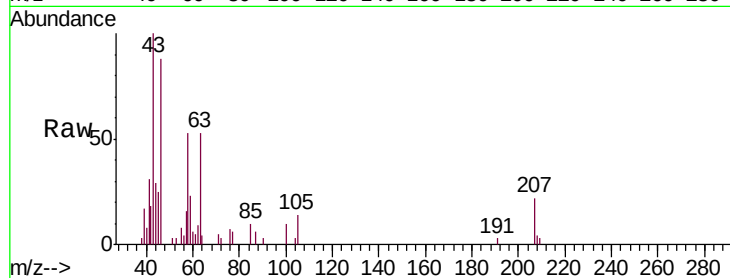




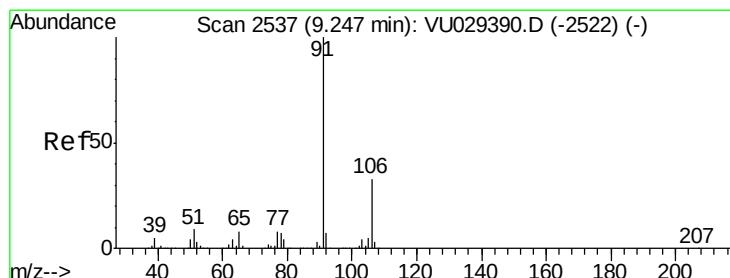
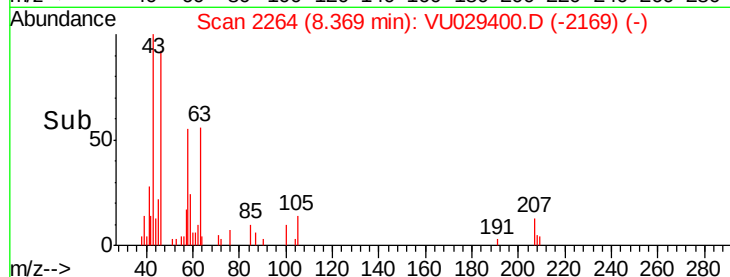
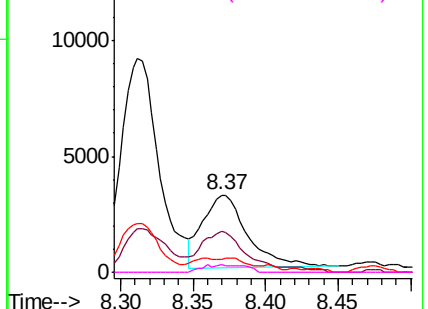
#48
2-Hexanone
Concen: 1.180 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU029400.D
Acq: 11 Feb 2019 16:45

Instrument :
MSVOA_U
ClientSampleId :
ESX94

Tgt Ion: 43 Resp: 6747
Ion Ratio Lower Upper
43 100
58 54.8 45.8 68.6
57 4.4 16.4 24.6#
100 0.0 11.4 17.0#

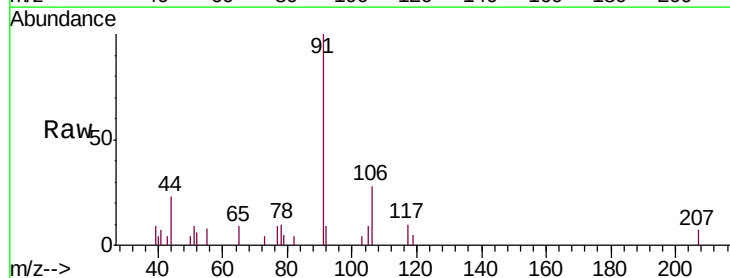


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

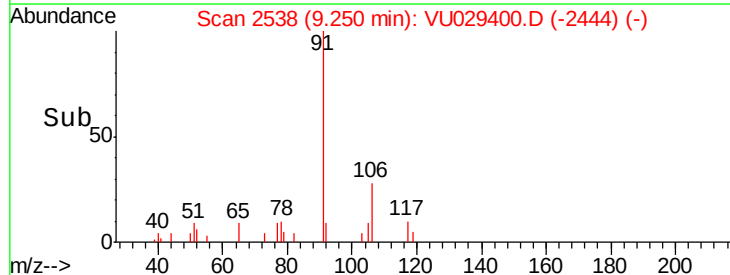
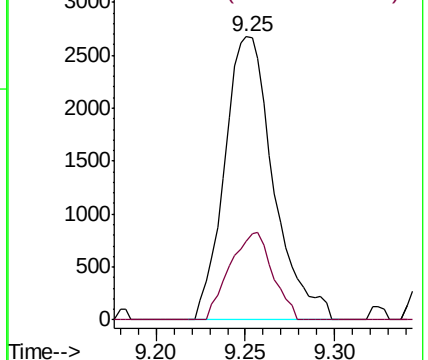


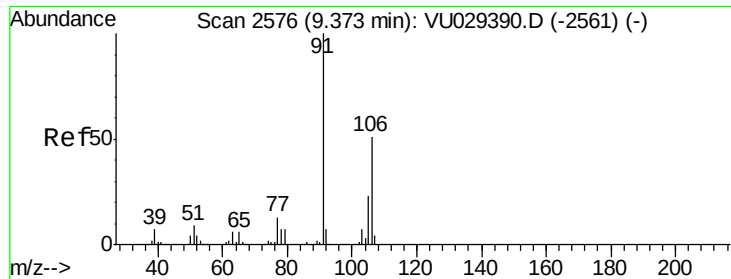
#52
Ethylbenzene
Concen: 0.068 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU029400.D
Acq: 11 Feb 2019 16:45

Tgt Ion: 91 Resp: 5113
Ion Ratio Lower Upper
91 100
106 27.8 23.0 42.8



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 106.15 (105.85 to 106.85): VU0





#53

m,p-xylene

Concen: 0.205 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029400.D

Acq: 11 Feb 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

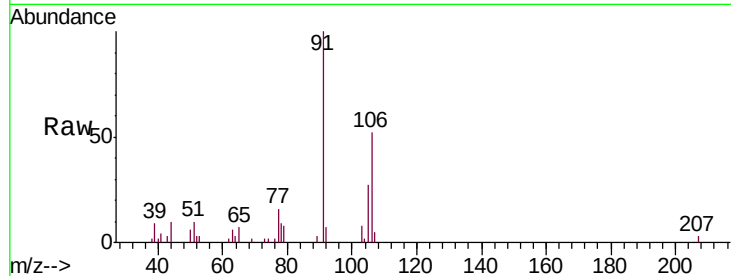
ESX94

Tgt Ion:106 Resp: 6147

Ion Ratio Lower Upper

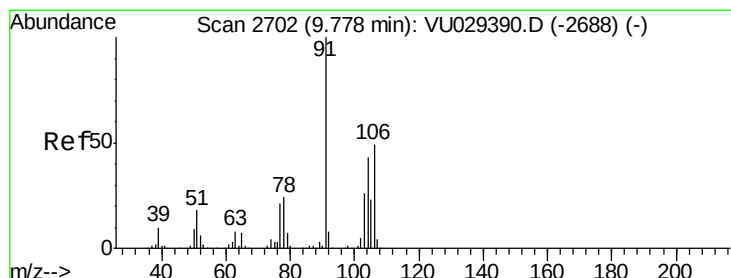
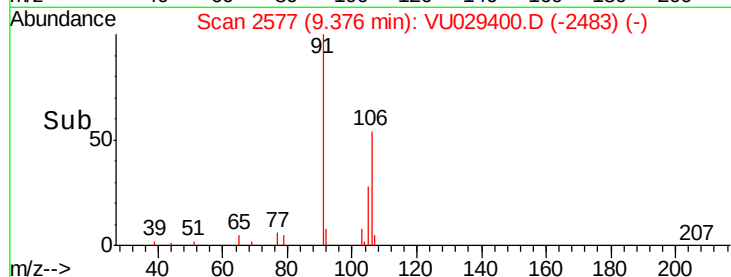
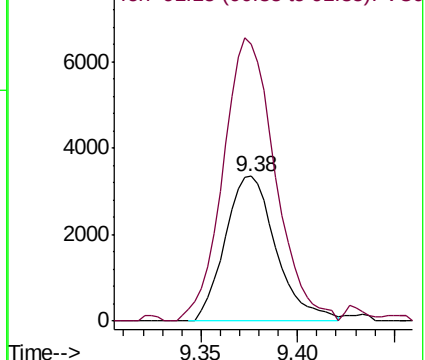
106 100

91 191.2 138.4 257.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-xylene

Concen: 0.081 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU029400.D

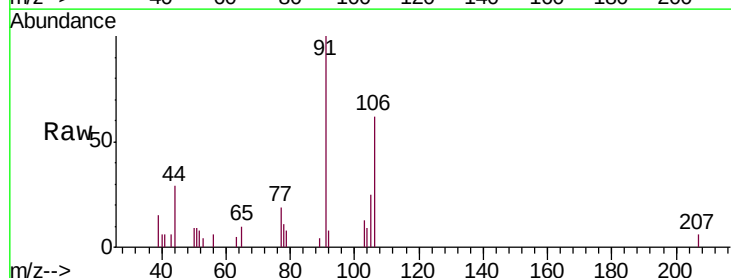
Acq: 11 Feb 2019 16:45

Tgt Ion:106 Resp: 2343

Ion Ratio Lower Upper

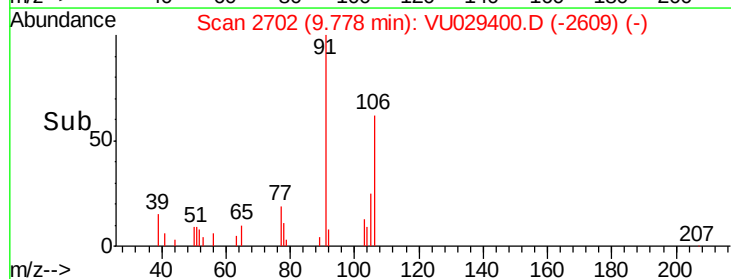
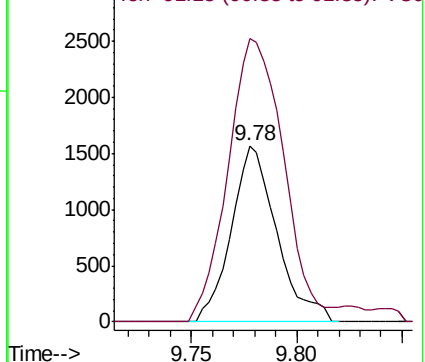
106 100

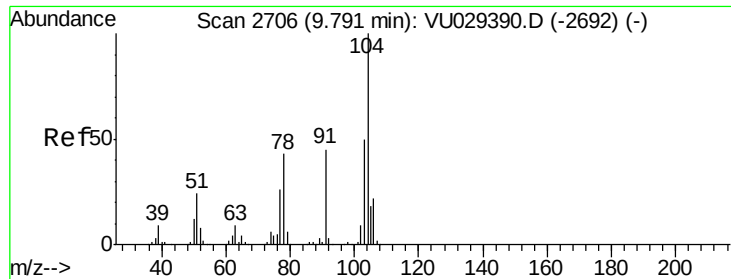
91 161.0 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.038 ug/L

RT: 9.80 min Scan# 2708

Delta R.T. 0.01 min

Lab File: VU029400.D

Acq: 11 Feb 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

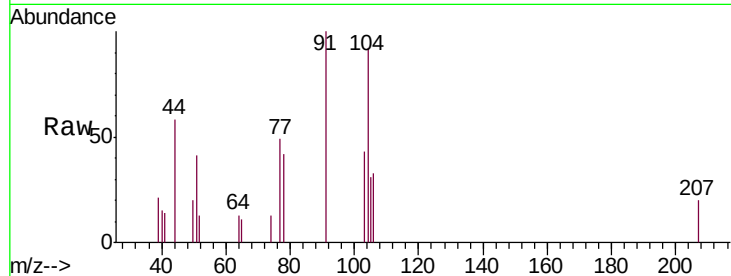
ESX94

Tgt Ion:104 Resp: 1859

Ion Ratio Lower Upper

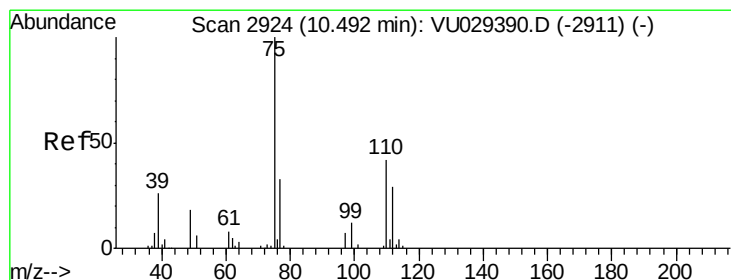
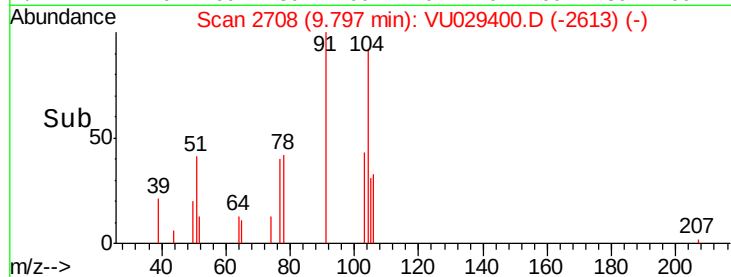
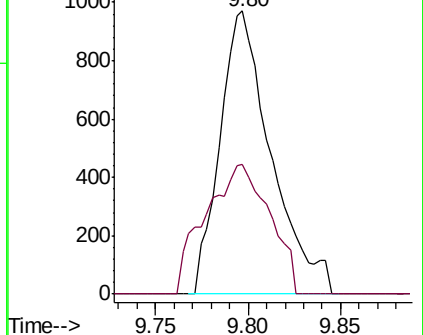
104 100

78 45.9 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): VU029390.D (-2692) (-)

Ion 78.10 (77.80 to 78.80): VU029390.D (-2692) (-)



#59

1,2,3-Trichloropropane

Concen: 1.427 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029400.D

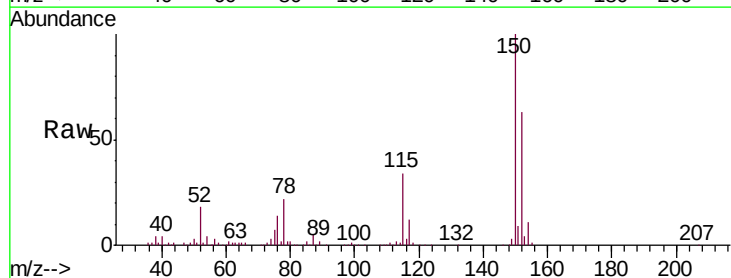
Acq: 11 Feb 2019 16:45

Tgt Ion: 75 Resp: 13230

Ion Ratio Lower Upper

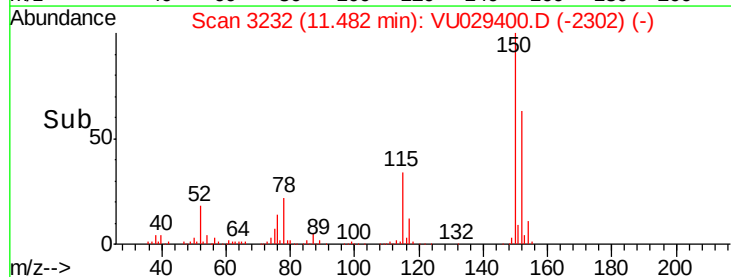
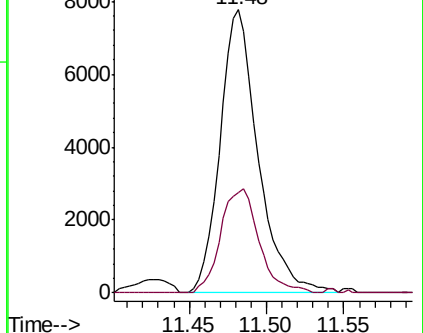
75 100

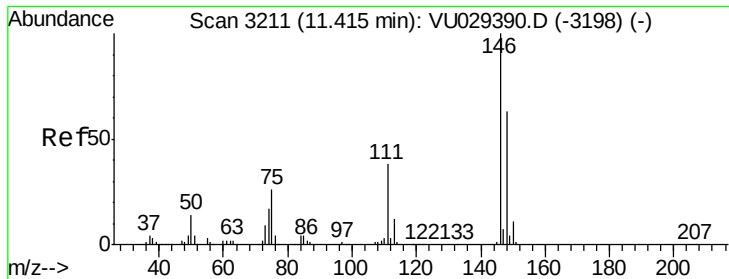
77 37.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU029390.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU029390.D (-2911) (-)





#62

1,3-Dichlorobenzene

Concen: 0.059 ug/L

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU029400.D

Acq: 11 Feb 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

ESX94

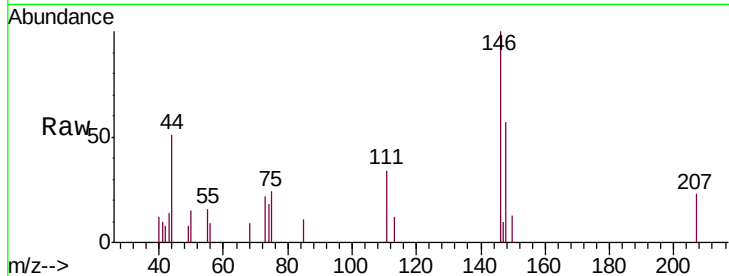
Tgt Ion:146 Resp: 2167

Ion Ratio Lower Upper

146 100

111 33.9 26.5 49.3

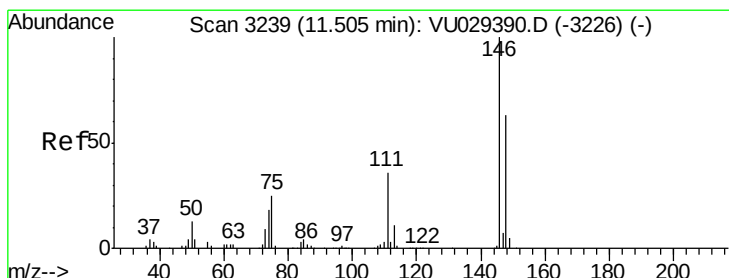
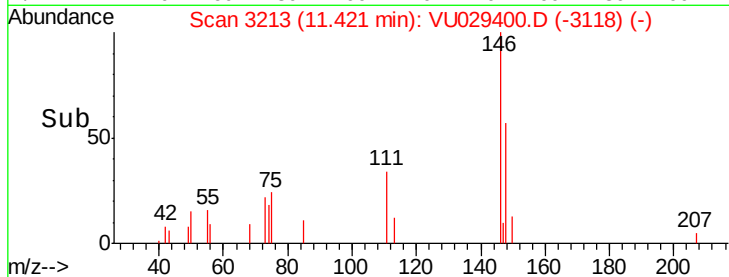
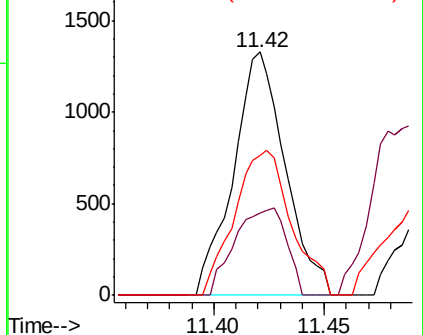
148 57.4 43.9 81.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.081 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU029400.D

Acq: 11 Feb 2019 16:45

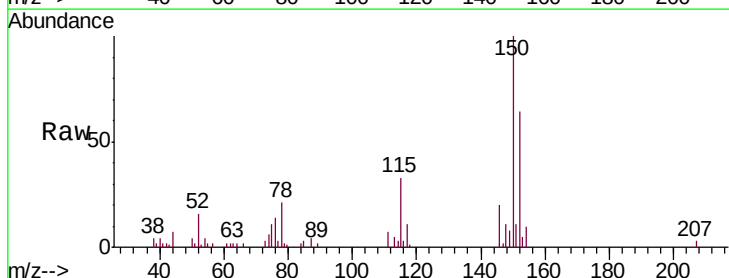
Tgt Ion:146 Resp: 3057

Ion Ratio Lower Upper

146 100

111 34.1 25.1 46.5

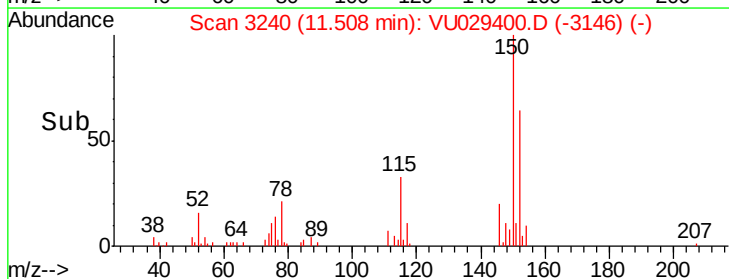
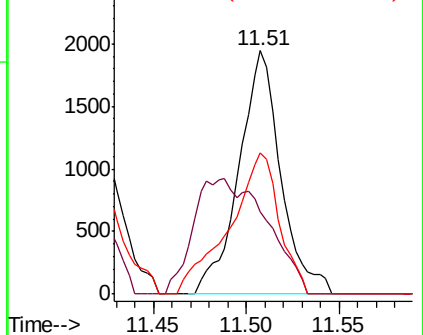
148 57.8 44.0 81.8

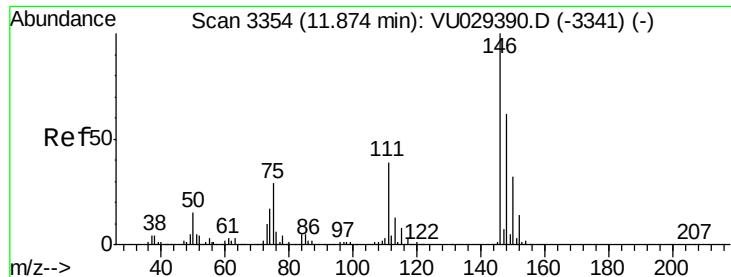


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

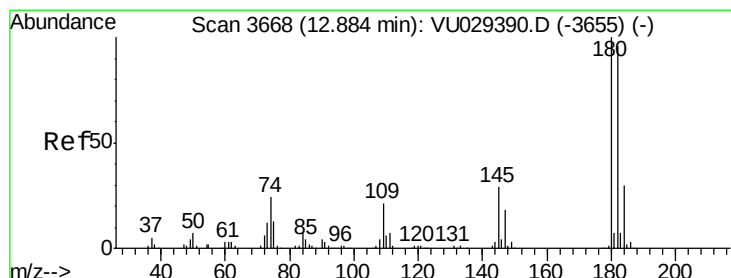
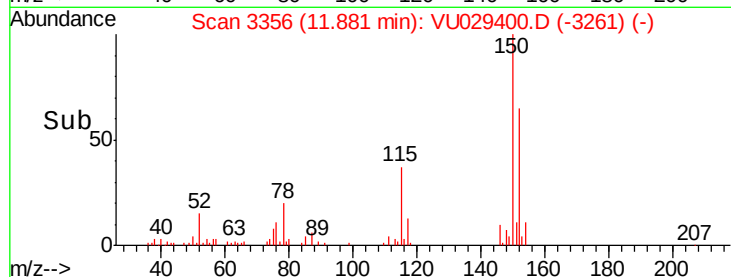
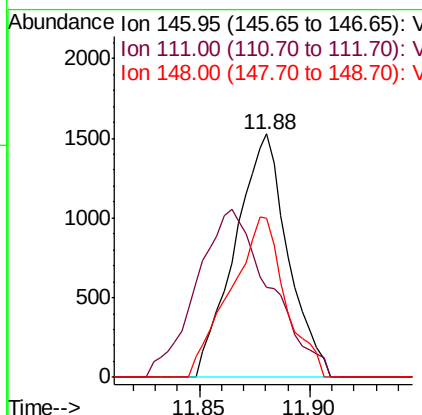
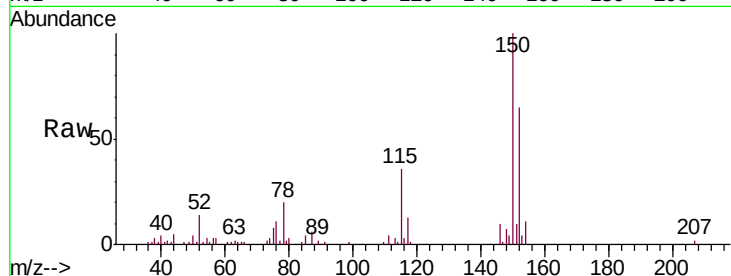




#65
 1,2-Dichlorobenzene
 Concen: 0.073 ug/L
 RT: 11.88 min Scan# 3356
 Delta R.T. 0.01 min
 Lab File: VU029400.D
 Acq: 11 Feb 2019 16:45

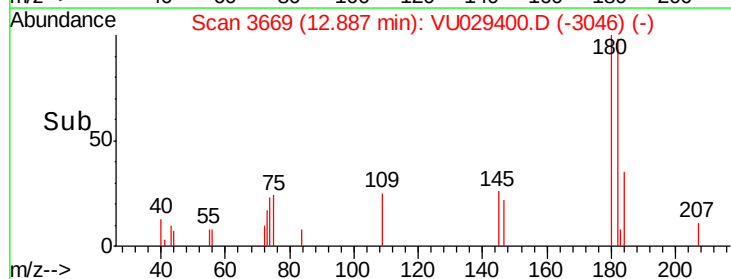
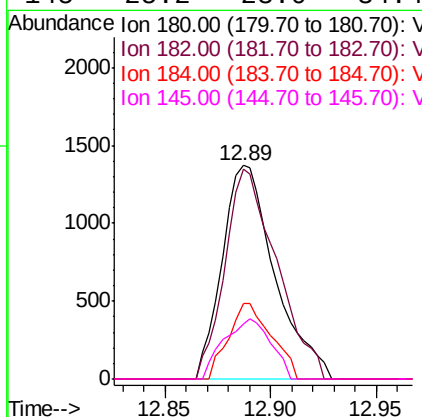
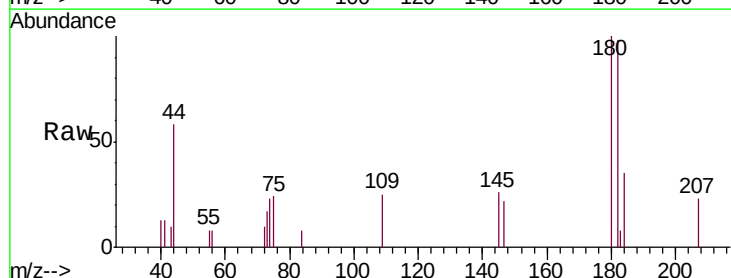
Instrument :
 MSVOA_U
 ClientSampleId :
 ESX94

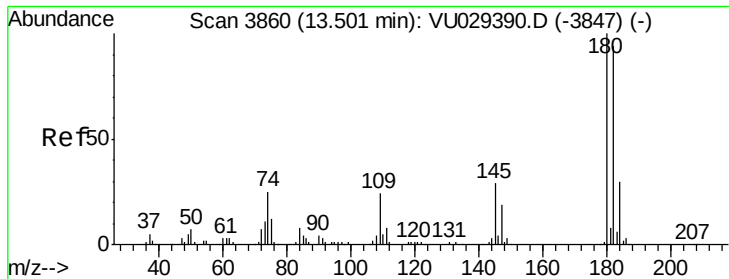
Tgt Ion:146 Resp: 2543
 Ion Ratio Lower Upper
 146 100
 111 36.9 31.0 46.6
 148 65.4 49.4 74.2



#67
 1,3,5-Trichlorobenzene
 Concen: 0.078 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU029400.D
 Acq: 11 Feb 2019 16:45

Tgt Ion:180 Resp: 2373
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.8 116.6
 184 28.7 24.6 37.0
 145 25.2 23.0 34.4

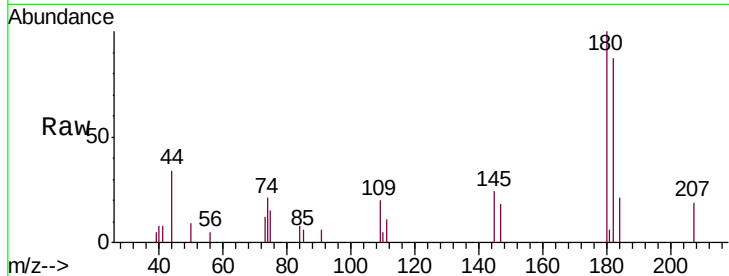




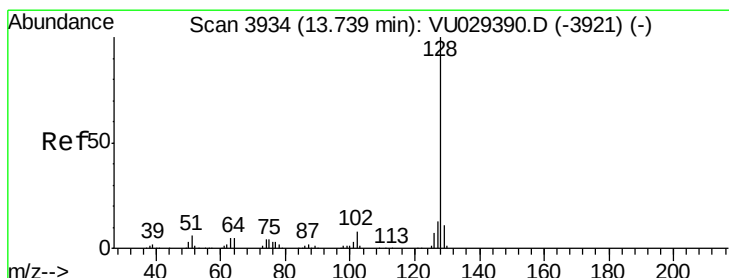
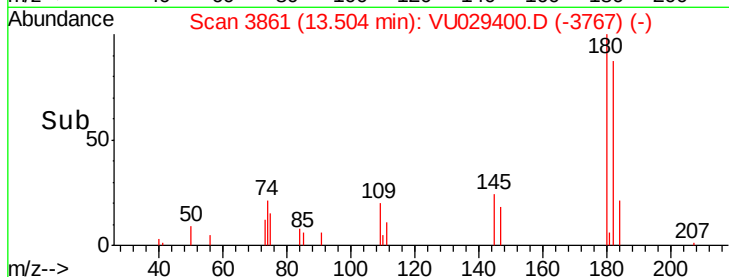
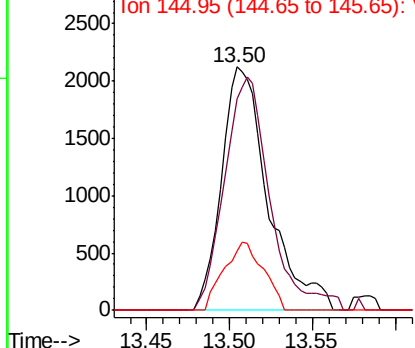
#68
 1,2,4-trichlorobenzene
 Concen: 0.155 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU029400.D
 Acq: 11 Feb 2019 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ESX94

Tgt Ion:180 Resp: 4150
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.4 114.6
 145 23.6 23.4 35.2

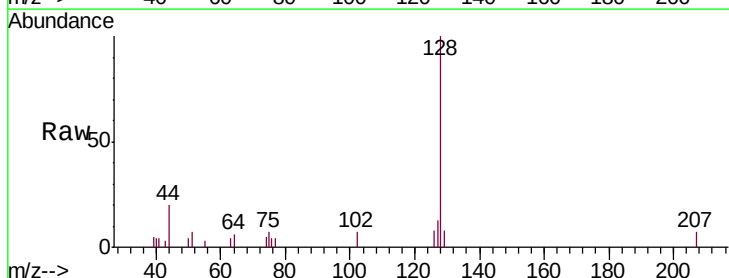


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

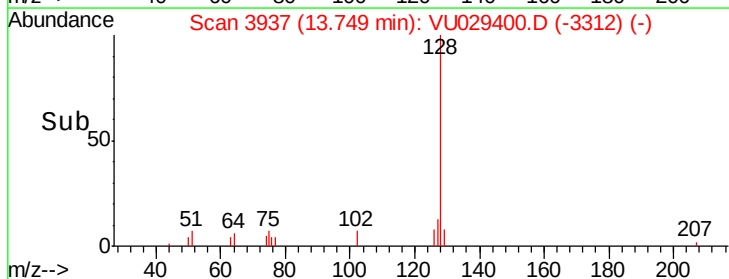
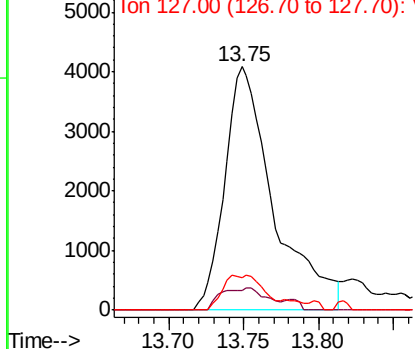


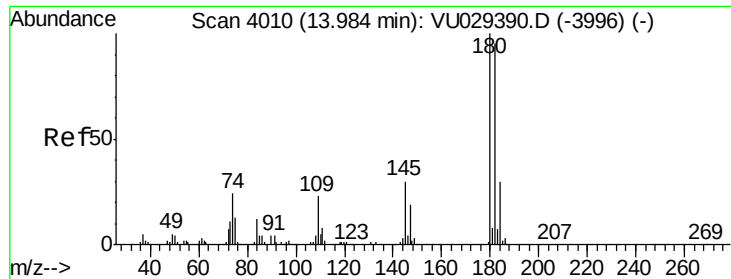
#69
 Naphthalene
 Concen: 0.224 ug/L
 RT: 13.75 min Scan# 3937
 Delta R.T. 0.01 min
 Lab File: VU029400.D
 Acq: 11 Feb 2019 16:45

Tgt Ion:128 Resp: 9291
 Ion Ratio Lower Upper
 128 100
 129 8.4 8.2 12.4
 127 13.7 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.192 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU029400.D
 Acq: 11 Feb 2019 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ESX94

Tgt Ion:180 Resp: 4642
 Ion Ratio Lower Upper
 180 100
 182 84.5 75.2 112.8
 145 27.7 23.7 35.5

