

Data File : VU029420.D
Acq On : 12 Feb 2019 15:14
Operator : JC/SP
Sample : VU0212WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK50

Quant Time: Feb 13 03:29:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 13 03:26:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	200465	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	185179	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102758	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66401	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.68	69	60411	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.27	63	107537	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	4.21	46	147870	52.80	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.60%
24) Chloroform-d	4.64	84	104260	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.31	65	57532	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.33	84	231178	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.33	67	69898	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.56	98	223773	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.85	79	29482	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.31	63	146729	54.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	58574	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	94072	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	863	0.049 ug/L	93
3) Chloromethane	1.32	50	1775	0.107 ug/L	97
5) Vinyl chloride	1.40	62	1999	0.104 ug/L #	19
6) Bromomethane	1.63	94	1480	0.131 ug/L	82
9) Trichlorofluoromethane	1.88	101	3259	0.110 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	2726	0.156 ug/L #	71
12) 1,1-Dichloroethene	2.28	96	3154	0.191 ug/L #	1
13) Acetone	2.35	43	1418	0.557 ug/L	64
14) Carbon disulfide	2.47	76	9082	0.167 ug/L #	93
16) Methylene chloride	2.70	84	4342	0.234 ug/L	95
17) Methyl tert-butyl Ether	3.01	73	3683	0.089 ug/L #	88
18) trans-1,2-Dichloroethene	2.98	96	2688	0.153 ug/L #	68
19) 1,1-Dichloroethane	3.44	63	2750	0.104 ug/L	96
22) cis-1,2-Dichloroethene	4.23	96	1848	0.114 ug/L	83
23) Bromochloromethane	4.55	128	611	0.084 ug/L #	84
25) Chloroform	4.68	83	9542	0.360 ug/L	95
27) 1,2-Dichloroethane	5.41	62	1452	0.095 ug/L #	72

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MSVOA_U
ClientSampleId :
VBLK50

Quant Time: Feb 13 03:29:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.90	97	2237	0.098	ug/L #	84
30) Cyclohexane	4.99	56	2494	0.114	ug/L	92
31) Carbon tetrachloride	5.14	117	1662	0.080	ug/L	98
33) Benzene	5.39	78	5060	0.093	ug/L	100
34) Trichloroethene	6.19	95	1696	0.111	ug/L	93
35) Methylcyclohexane	6.41	83	2872	0.111	ug/L #	51
37) 1,2-Dichloropropane	6.44	63	1192	0.087	ug/L #	87
38) Bromodichloromethane	6.76	83	1473	0.082	ug/L #	90
39) cis-1,3-Dichloropropene	7.27	75	1772	0.082	ug/L #	76
40) 4-Methyl-2-pentanone	7.47	43	4423	0.562	ug/L #	77
42) Toluene	7.64	91	7636	0.125	ug/L	85
45) 1,1,2-Trichloroethane	8.07	97	964	0.092	ug/L #	79
47) Tetrachloroethene	8.22	164	1219	0.087	ug/L	78
48) 2-Hexanone	8.37	43	7350	1.281	ug/L	96
49) Dibromochloromethane	8.47	129	1164	0.083	ug/L	91
50) 1,2-Dibromoethane	8.59	107	1050	0.101	ug/L #	88
51) Chlorobenzene	9.12	112	4621	0.110	ug/L	93
52) Ethylbenzene	9.25	91	7073	0.102	ug/L	95
53) m,p-xylene	9.38	106	2963	0.107	ug/L	91
54) o-xylene	9.78	106	2664	0.098	ug/L	87
55) Styrene	9.79	104	4366	0.097	ug/L	91
56) Isopropylbenzene	10.16	105	7104	0.099	ug/L #	93
58) 1,1,2,2-Tetrachloroethane	10.45	83	1571	0.123	ug/L #	86
59) 1,2,3-Trichloropropane	11.48	75	11775	1.345	ug/L	99
61) Bromoform	9.96	173	739	0.085	ug/L #	84
62) 1,3-Dichlorobenzene	11.42	146	4648	0.128	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	5626	0.155	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	4319	0.126	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.89	180	4280	0.142	ug/L	90
68) 1,2,4-trichlorobenzene	13.51	180	4981	0.196	ug/L	93
69) Naphthalene	13.75	128	9234	0.210	ug/L #	87
70) 1,2,3-Trichlorobenzene	13.99	180	4398	0.181	ug/L	90

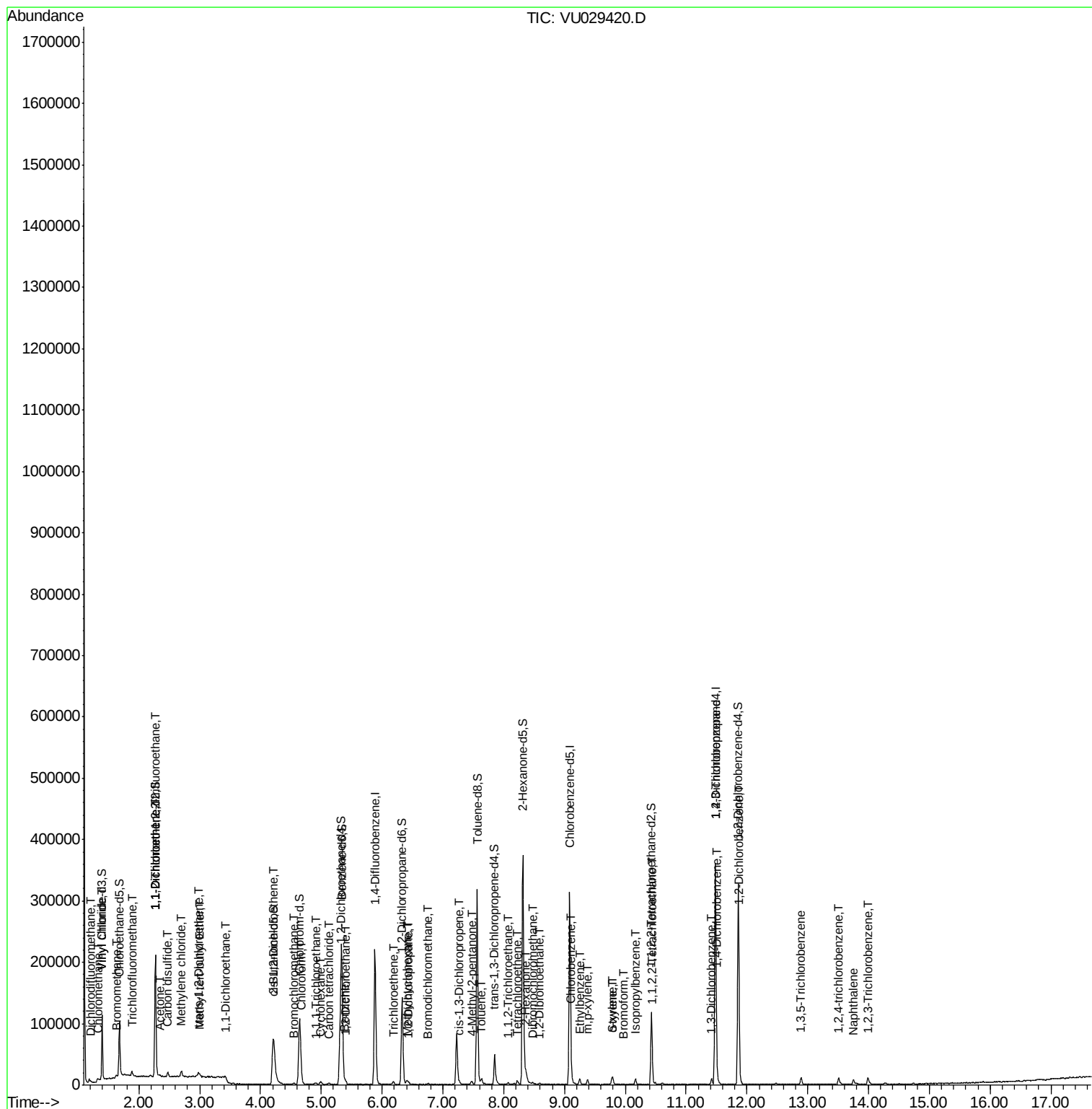
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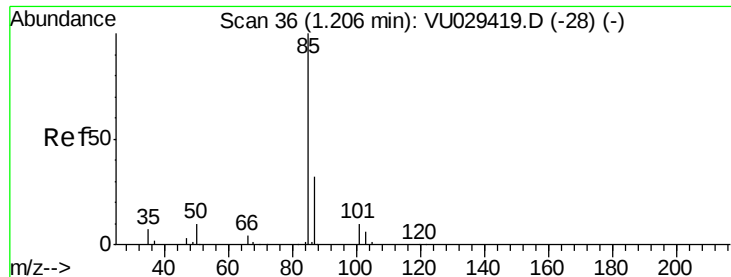
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#2

Dichlorodifluoromethane

Concen: 0.049 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Instrument :

MSVOA_U

ClientSampled :

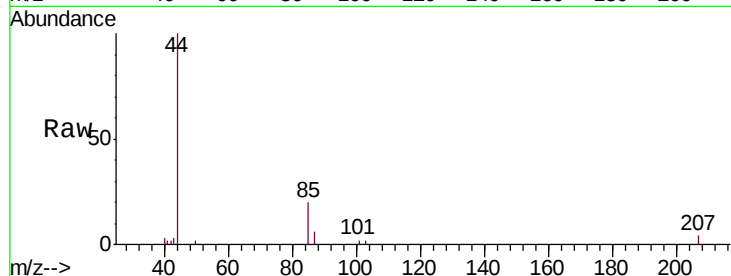
VBLK50

Tgt Ion: 85 Resp: 863

Ion Ratio Lower Upper

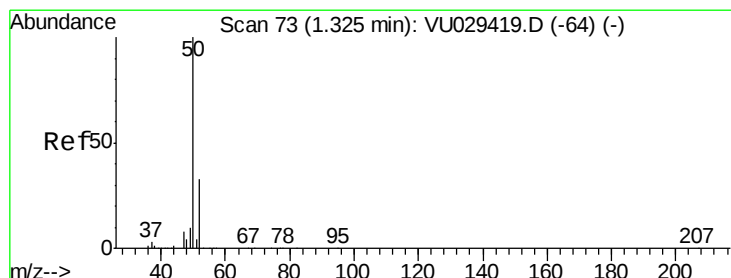
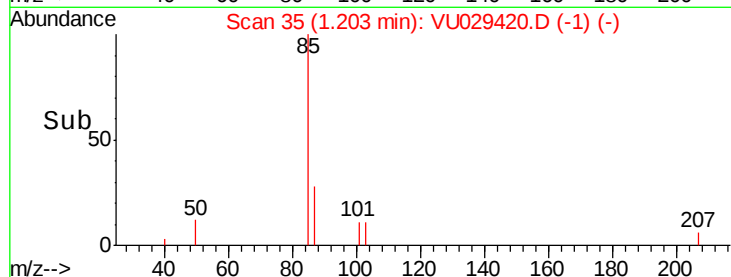
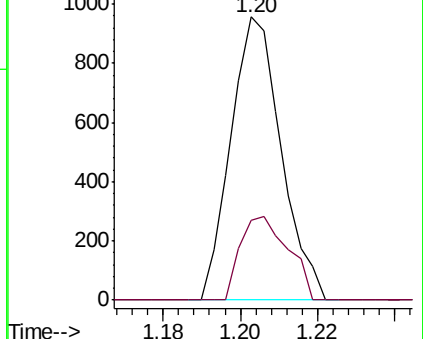
85 100

87 28.0 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.107 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU029420.D

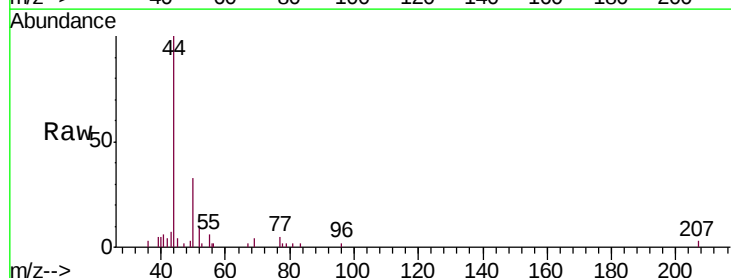
Acq: 12 Feb 2019 15:14

Tgt Ion: 50 Resp: 1775

Ion Ratio Lower Upper

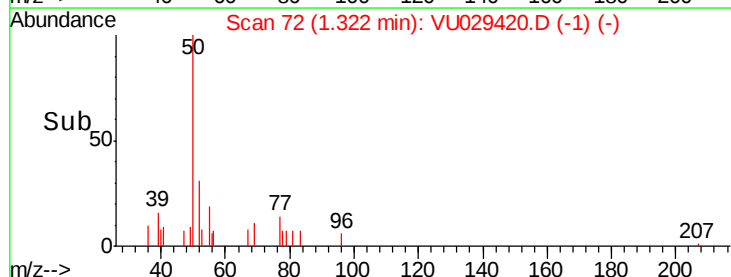
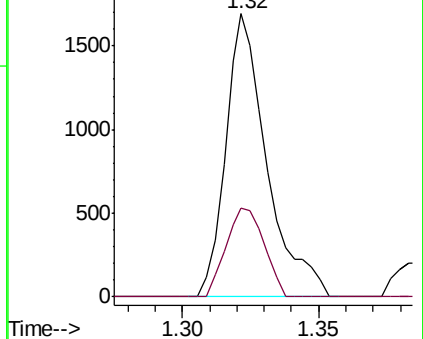
50 100

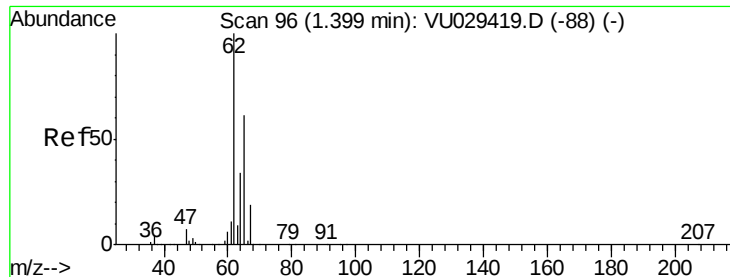
52 31.2 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.104 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

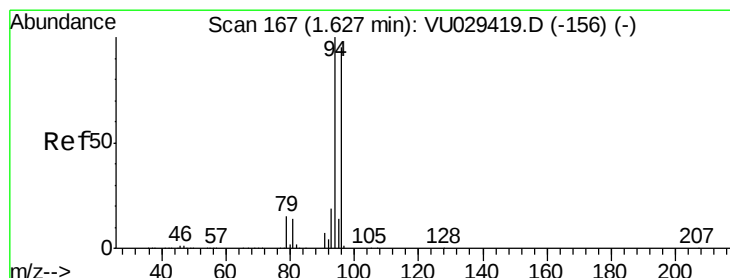
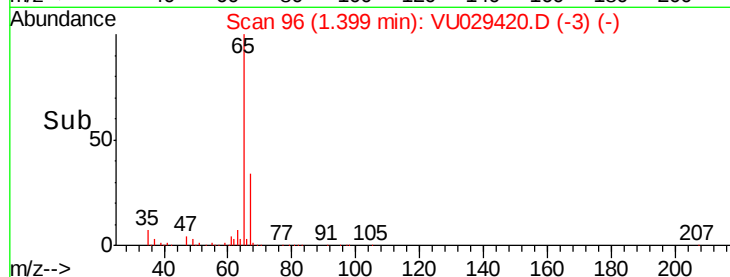
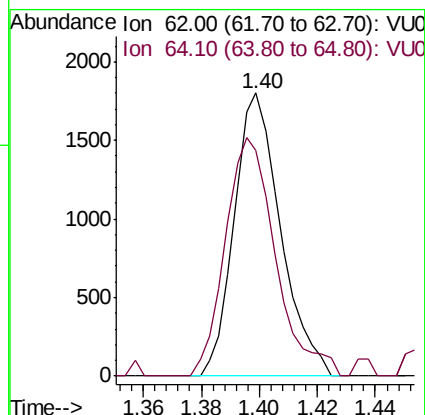
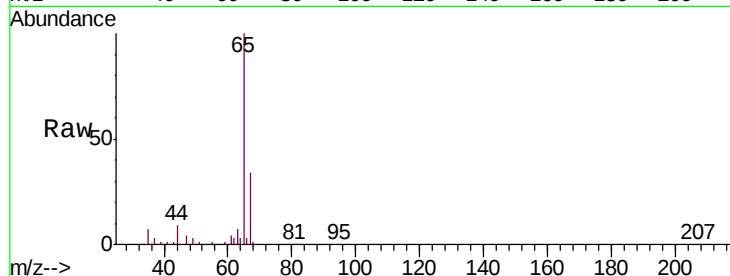
VBLK50

Tgt Ion: 62 Resp: 1999

Ion Ratio Lower Upper

62 100

64 80.0 23.5 43.7#



#6

Bromomethane

Concen: 0.131 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029420.D

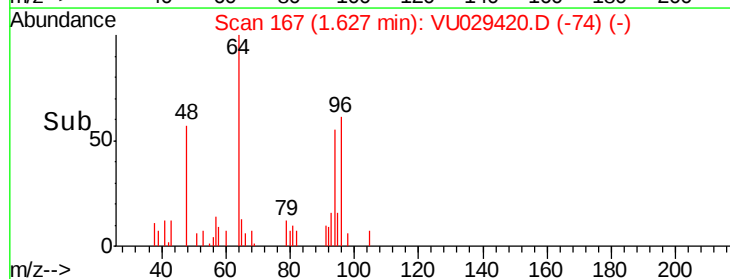
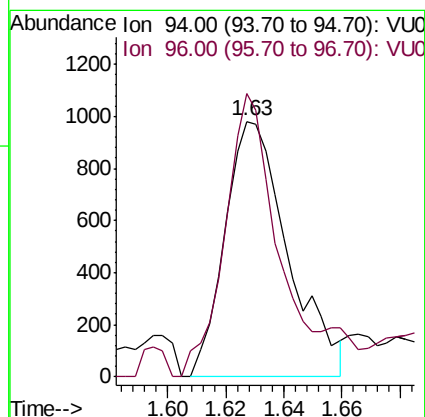
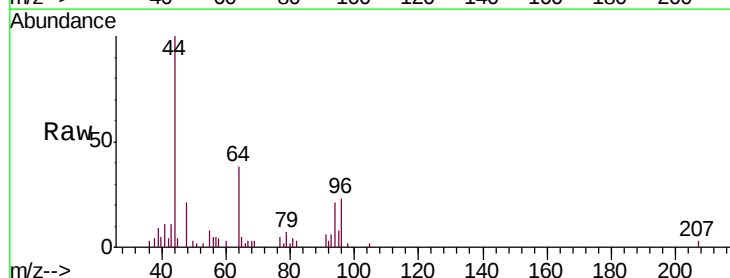
Acq: 12 Feb 2019 15:14

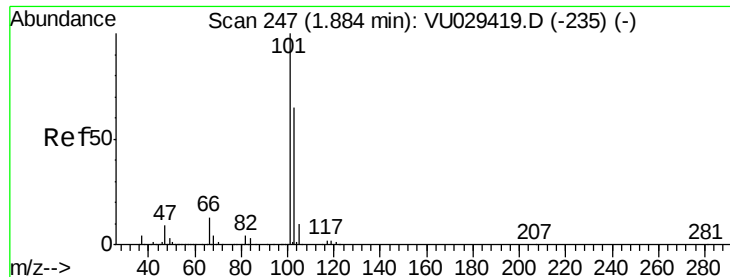
Tgt Ion: 94 Resp: 1480

Ion Ratio Lower Upper

94 100

96 110.7 65.2 121.0



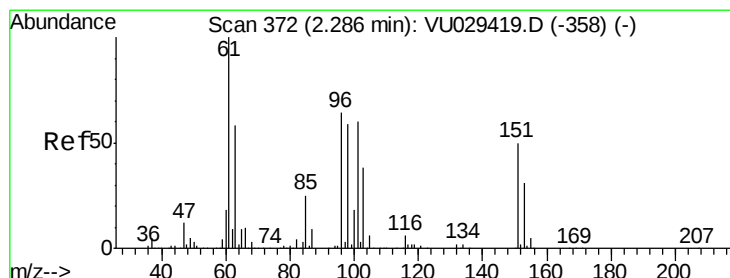
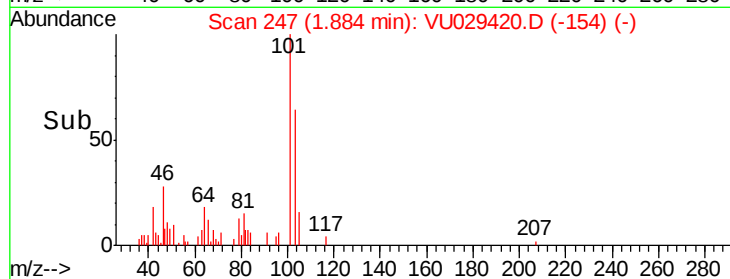
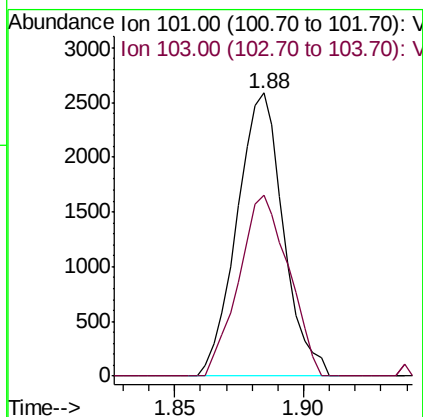
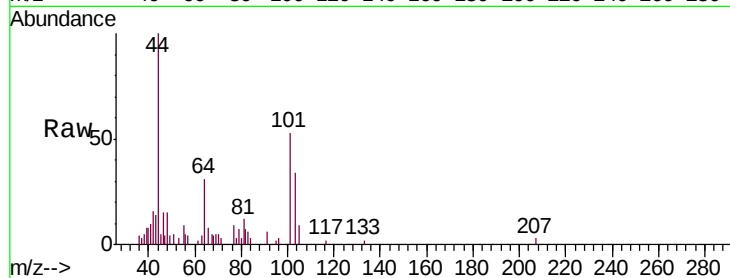


#9

Trichlorofluoromethane
 Concen: 0.110 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU029420.D
 Acq: 12 Feb 2019 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK50

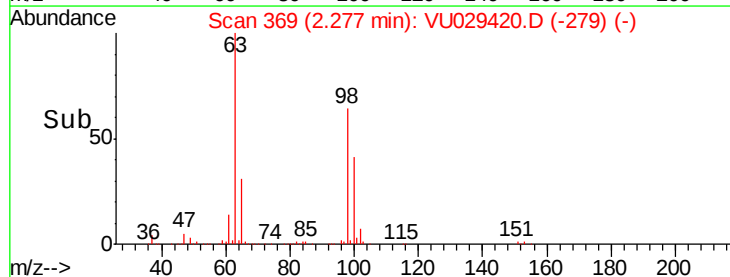
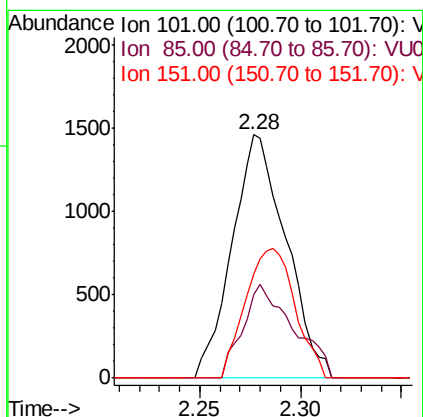
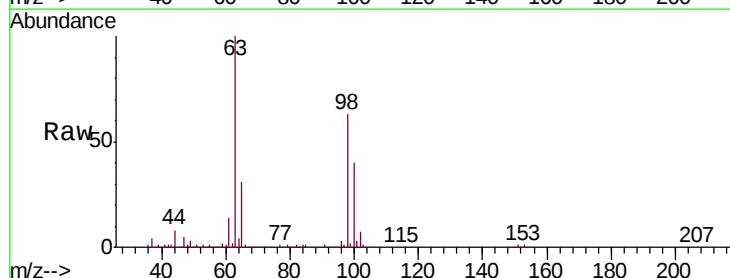
Tgt Ion:101 Resp: 3259
 Ion Ratio Lower Upper
 101 100
 103 68.5 52.1 78.1

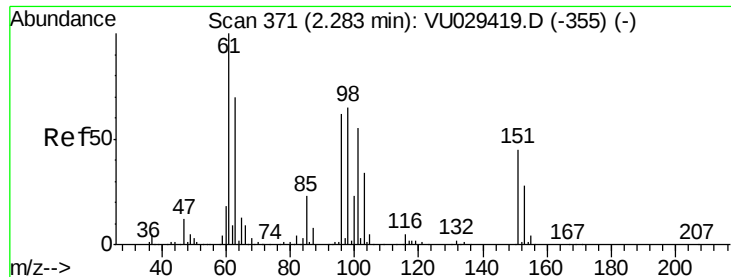


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.156 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VU029420.D
 Acq: 12 Feb 2019 15:14

Tgt Ion:101 Resp: 2726
 Ion Ratio Lower Upper
 101 100
 85 36.2 35.1 52.7
 151 49.1 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 0.191 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

VBLK50

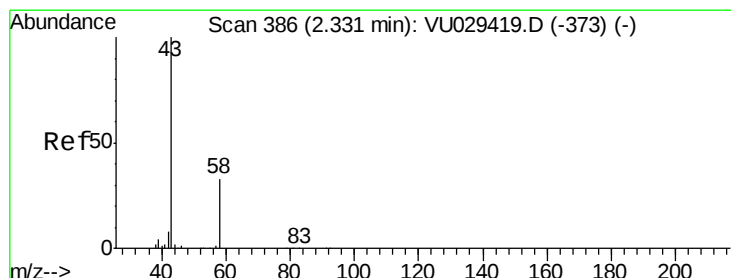
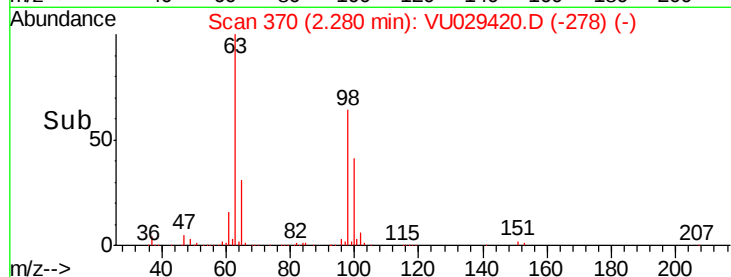
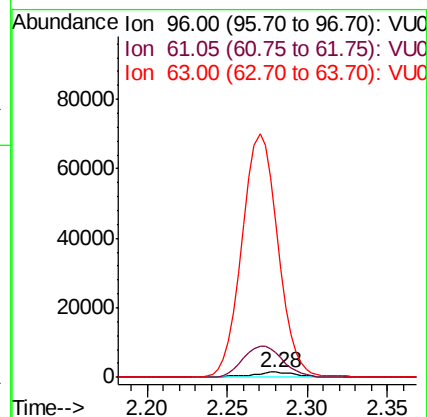
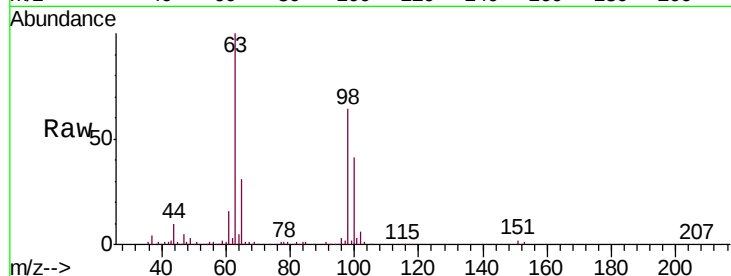
Tgt Ion: 96 Resp: 3154

Ion Ratio Lower Upper

96 100

61 466.0 115.1 213.7#

63 2965.6 83.5 155.1#



#13

Acetone

Concen: 0.557 ug/L

RT: 2.35 min Scan# 392

Delta R.T. 0.02 min

Lab File: VU029420.D

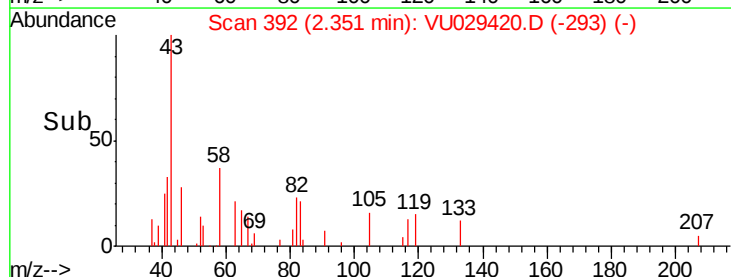
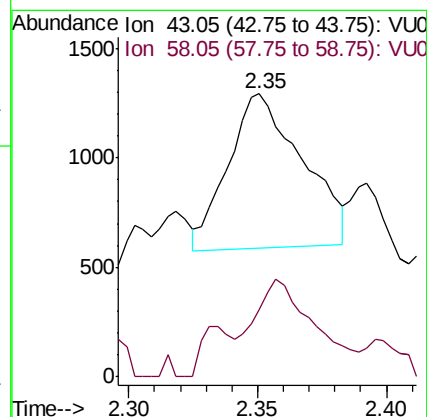
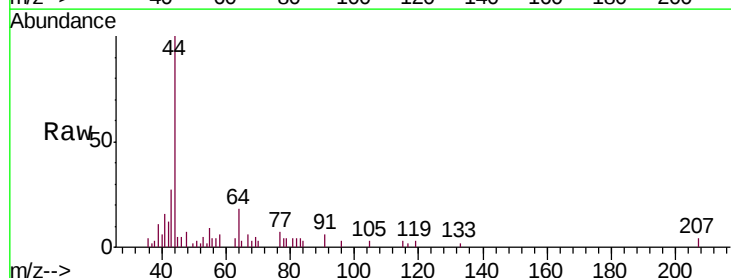
Acq: 12 Feb 2019 15:14

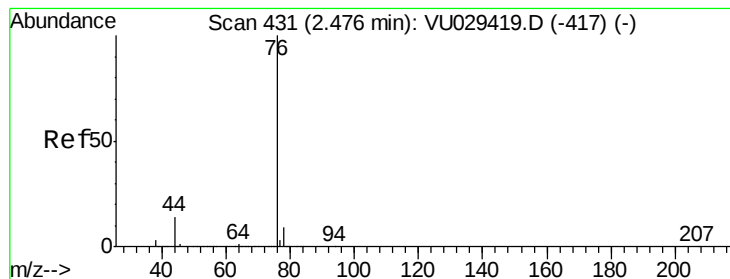
Tgt Ion: 43 Resp: 1418

Ion Ratio Lower Upper

43 100

58 52.5 0.0 65.0





#14

Carbon disulfide

Concen: 0.167 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

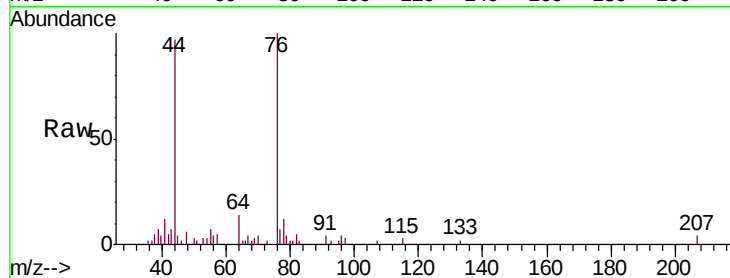
VBLK50

Tgt Ion: 76 Resp: 9082

Ion Ratio Lower Upper

76 100

78 11.8 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU029419.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU029419.D (-417) (-)

2.47

6000

4000

2000

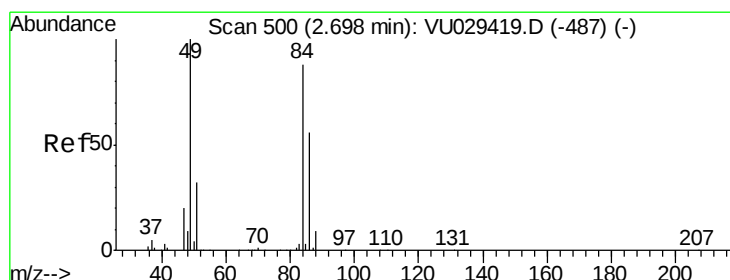
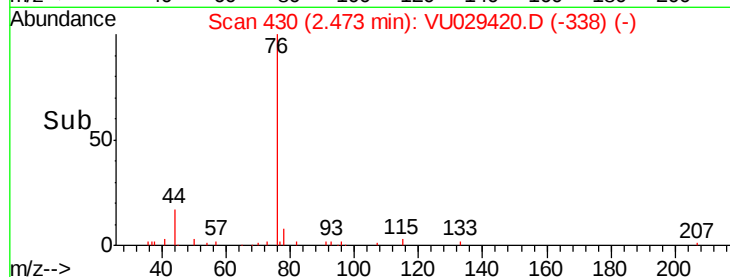
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Time-->

2.40

2.45

2.50



#16

Methylene chloride

Concen: 0.234 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

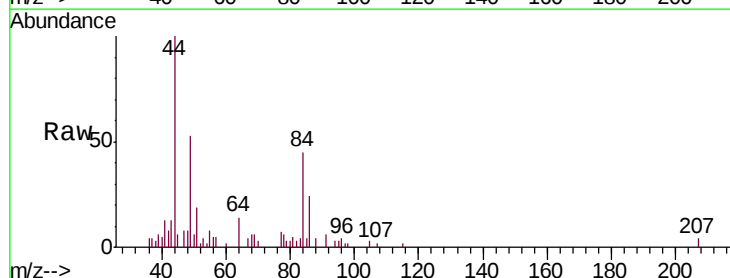
Tgt Ion: 84 Resp: 4342

Ion Ratio Lower Upper

84 100

86 53.9 45.1 83.9

49 117.7 81.8 151.8



Abundance Ion 84.05 (83.75 to 84.75): VU029419.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU029419.D (-487) (-)

Ion 49.10 (48.80 to 49.80): VU029419.D (-487) (-)

2.70

3000

2000

1000

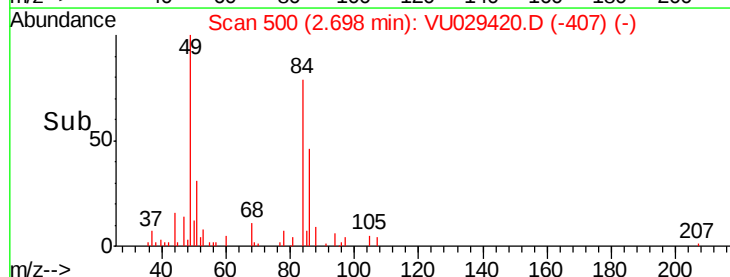
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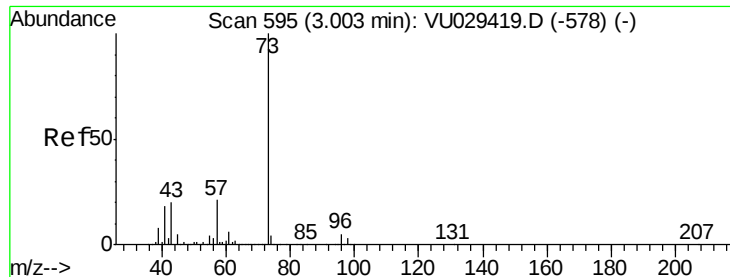
Time-->

2.65

2.70

2.75

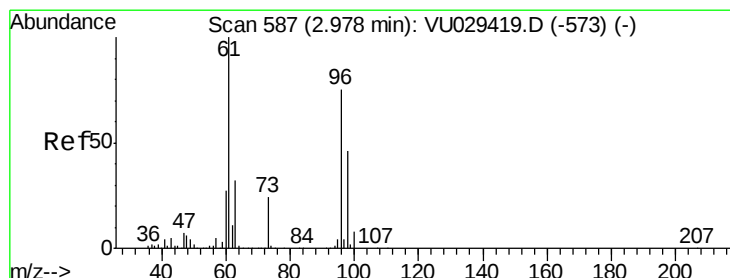
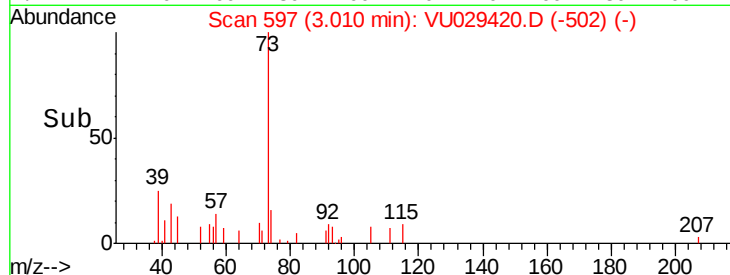
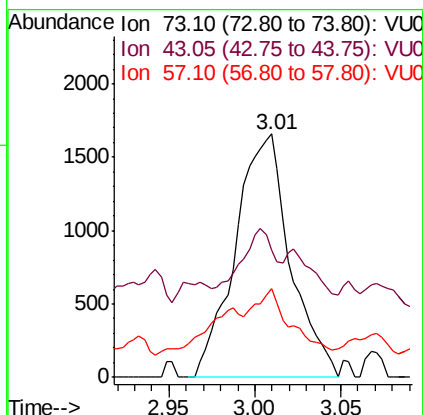
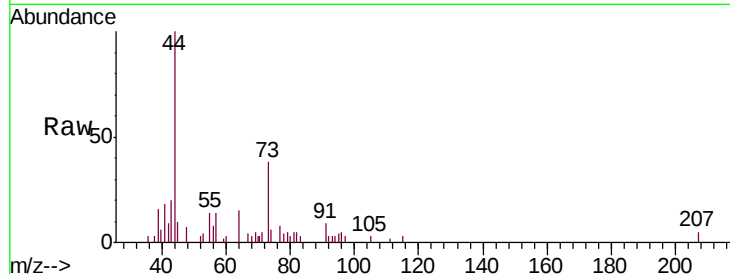




#17
Methyl tert-butyl Ether
Concen: 0.089 ug/L
RT: 3.01 min Scan# 597
Delta R.T. 0.01 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

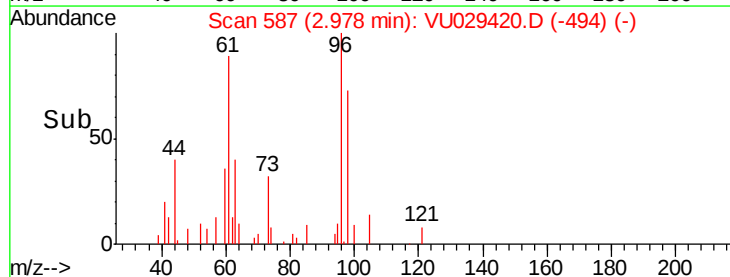
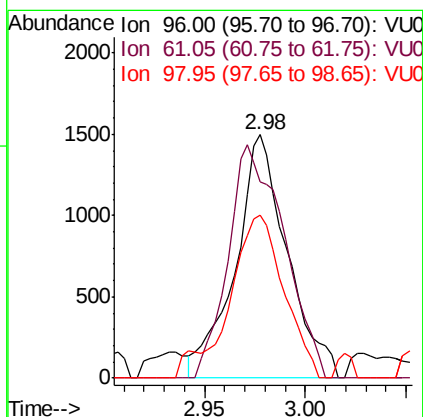
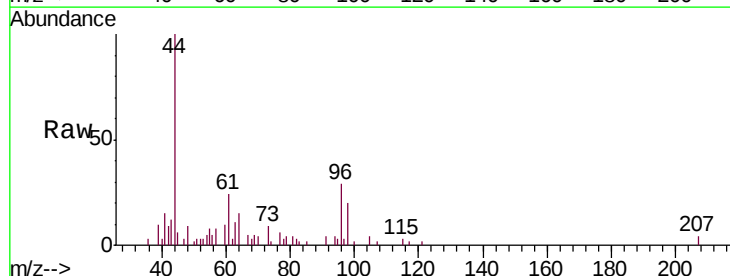
Instrument :
MSVOA_U
ClientSampleId :
VBLK50

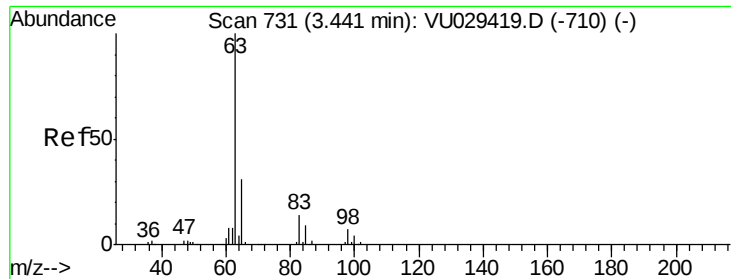
Tgt Ion: 73 Resp: 3683
Ion Ratio Lower Upper
73 100
43 13.8 16.0 24.0#
57 15.7 16.9 25.3#



#18
trans-1,2-Dichloroethene
Concen: 0.153 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Tgt Ion: 96 Resp: 2688
Ion Ratio Lower Upper
96 100
61 80.6 95.4 177.2#
98 66.8 45.8 85.2

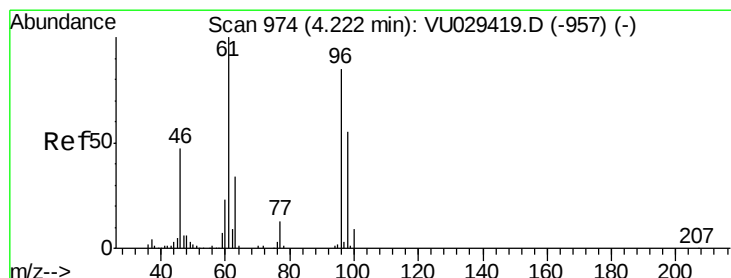
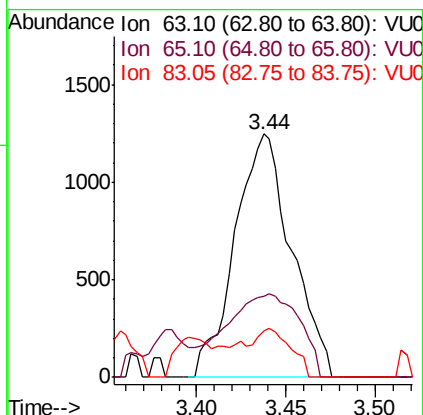
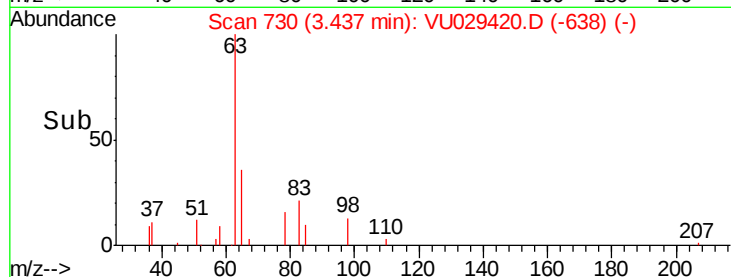
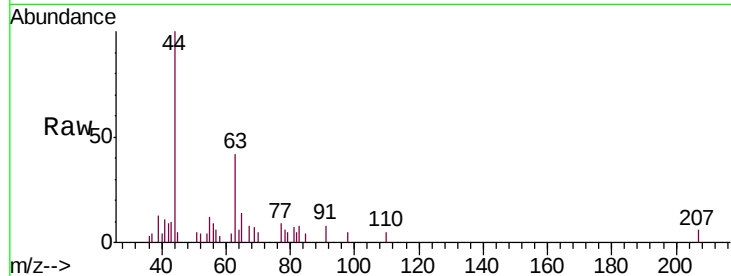




#19
 1,1-Dichloroethane
 Concen: 0.104 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029420.D
 Acq: 12 Feb 2019 15:14

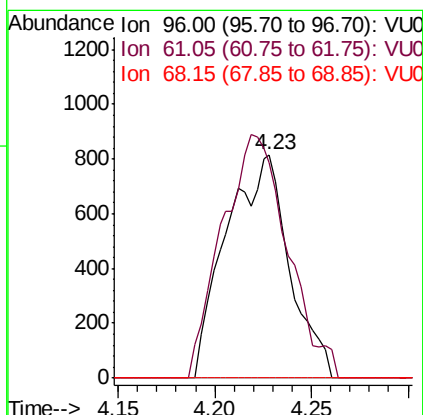
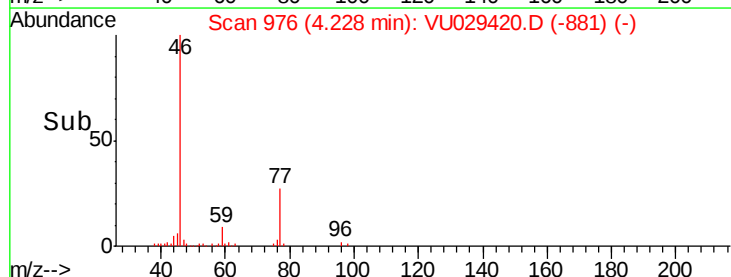
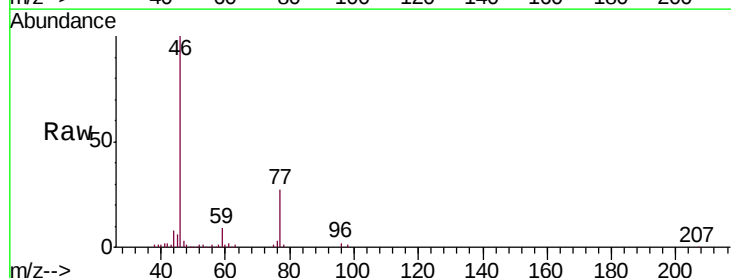
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK50

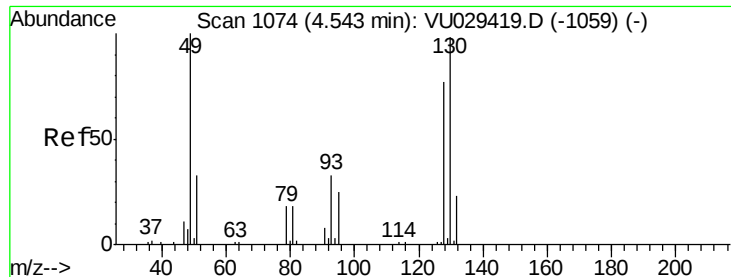
Tgt Ion: 63 Resp: 2750
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.5 43.7
 83 18.9 10.3 19.1



#22
 cis-1,2-Dichloroethene
 Concen: 0.114 ug/L
 RT: 4.23 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VU029420.D
 Acq: 12 Feb 2019 15:14

Tgt Ion: 96 Resp: 1848
 Ion Ratio Lower Upper
 96 100
 61 96.3 79.9 148.5
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 0.084 ug/L

RT: 4.55 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

VBLK50

Tgt Ion:128 Resp: 611

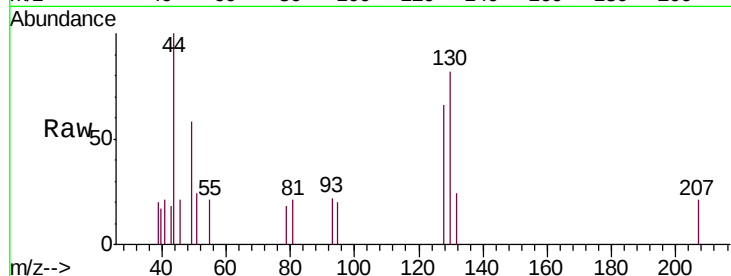
Ion Ratio Lower Upper

128 100

49 88.1 89.0 165.4#

130 124.0 88.0 163.4

51 36.4 32.1 48.1

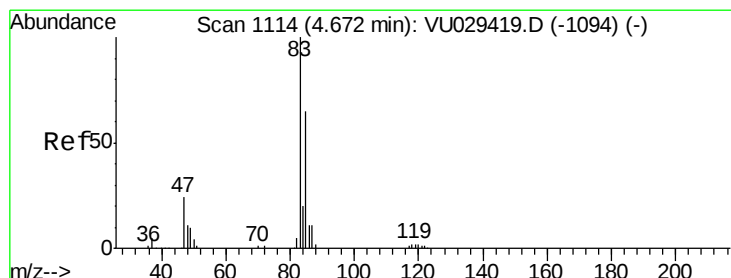
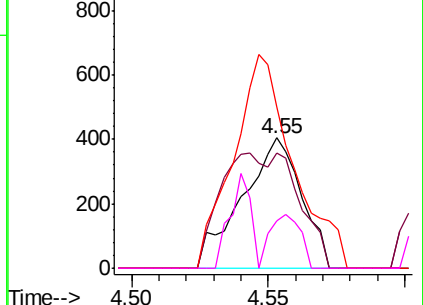
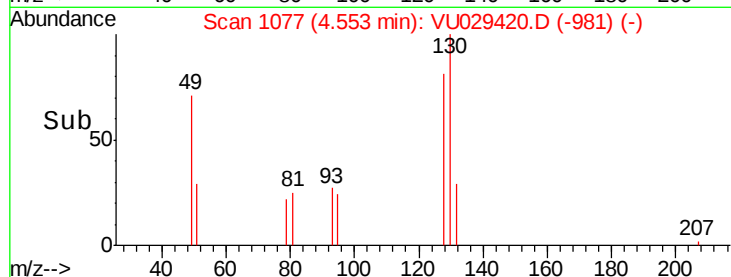


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0



#25

Chloroform

Concen: 0.360 ug/L

RT: 4.68 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VU029420.D

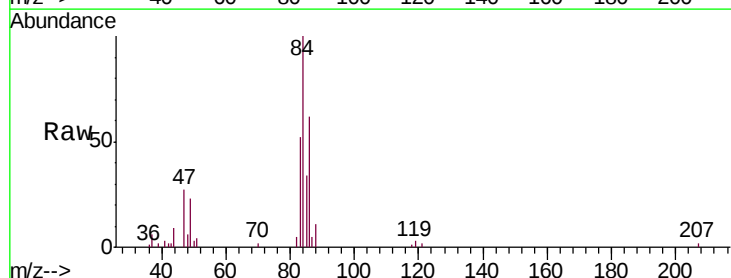
Acq: 12 Feb 2019 15:14

Tgt Ion: 83 Resp: 9542

Ion Ratio Lower Upper

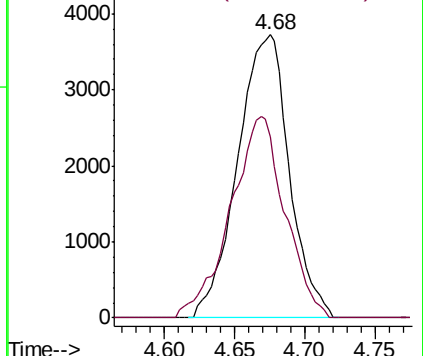
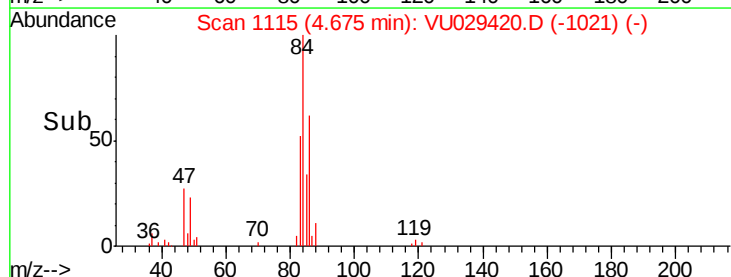
83 100

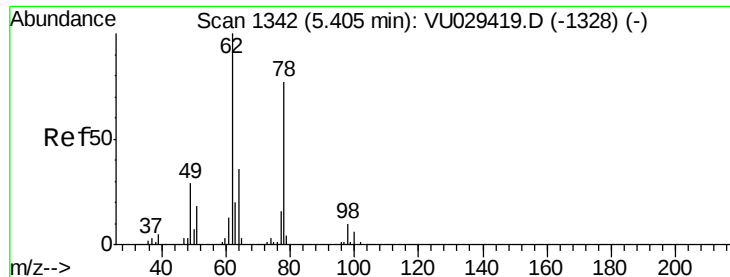
85 64.1 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.095 ug/L

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

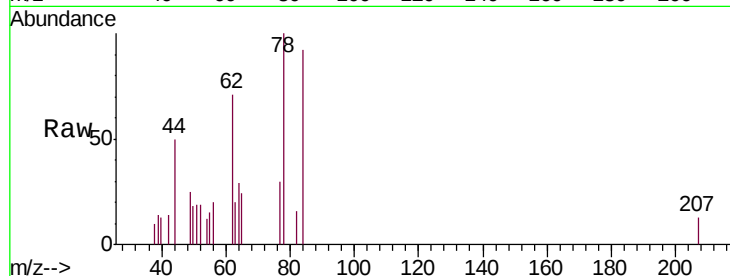
VBLK50

Tgt Ion: 62 Resp: 1452

Ion Ratio Lower Upper

62 100

98 0.0 8.4 12.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.41

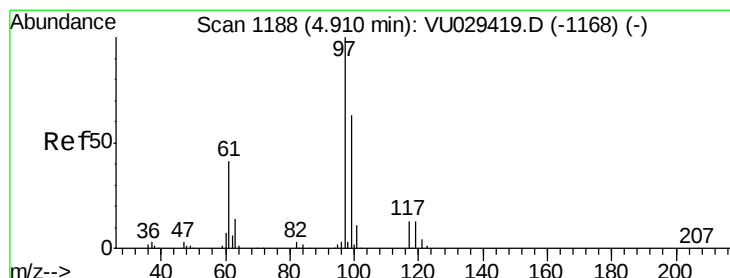
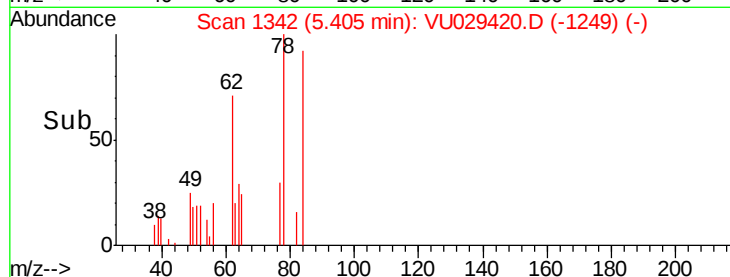
600

400

200

0

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.098 ug/L

RT: 4.90 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

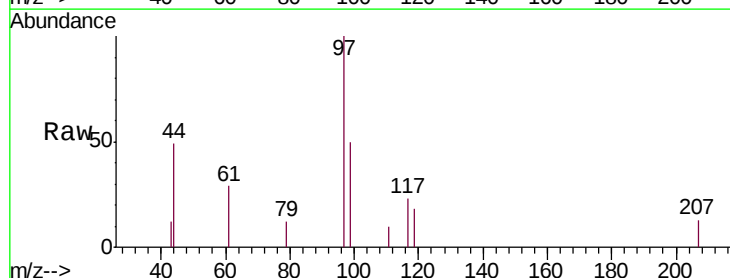
Tgt Ion: 97 Resp: 2237

Ion Ratio Lower Upper

97 100

99 62.2 52.2 78.2

61 18.5 32.0 48.0#



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

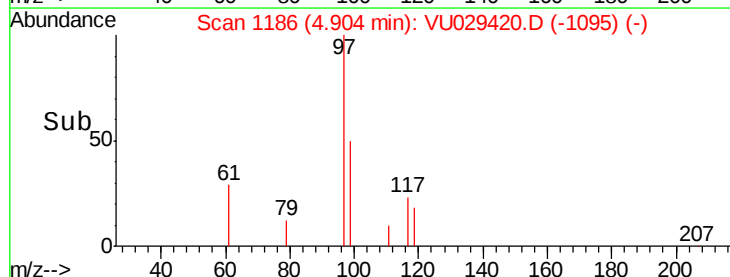
4.90

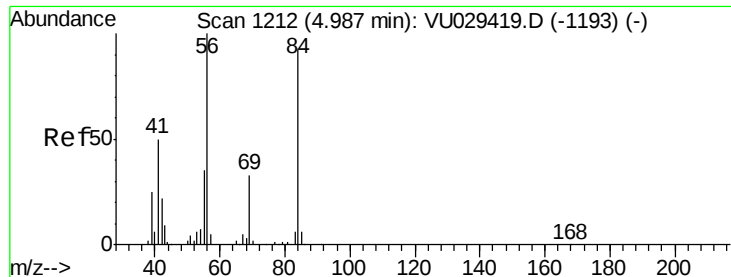
1000

500

0

Time-->

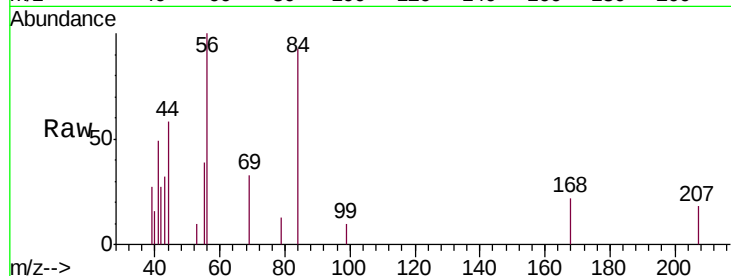




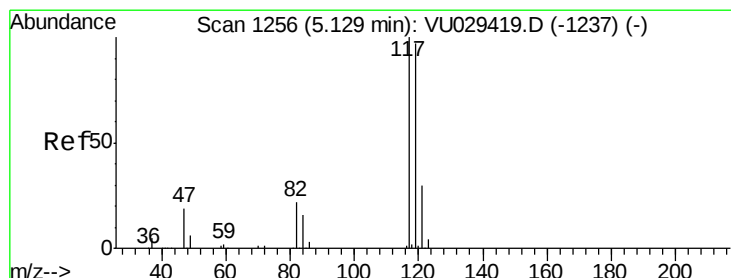
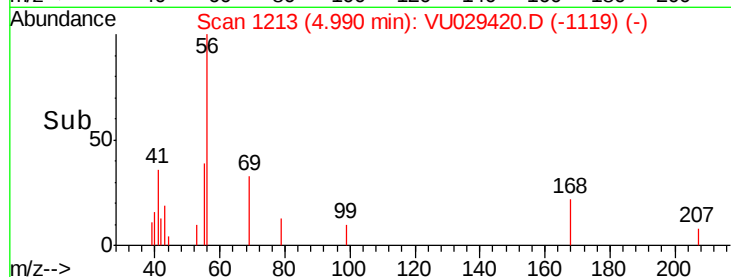
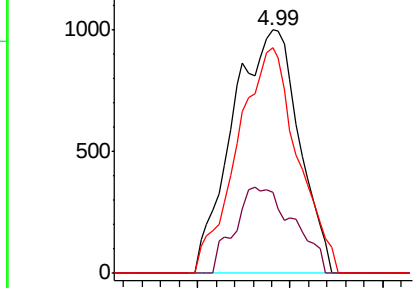
#30
Cyclohexane
Concen: 0.114 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
VBLK50

Tgt Ion: 56 Resp: 2494
Ion Ratio Lower Upper
56 100
69 31.2 25.8 38.6
84 84.2 75.0 112.6

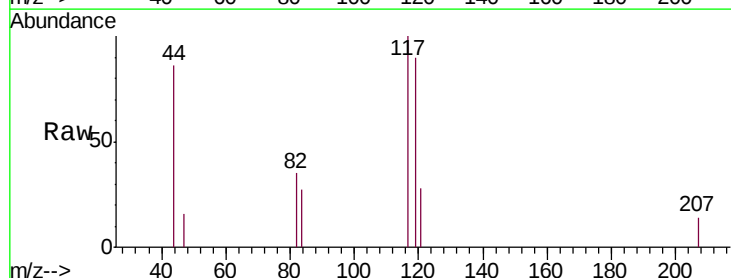


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

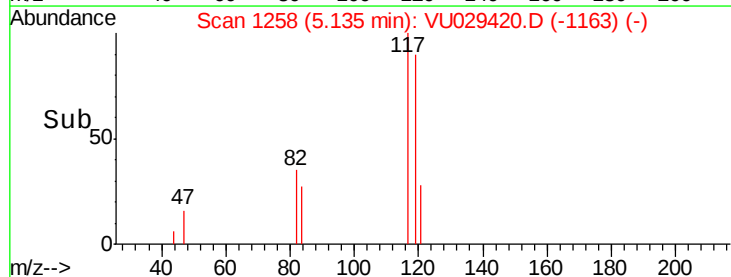
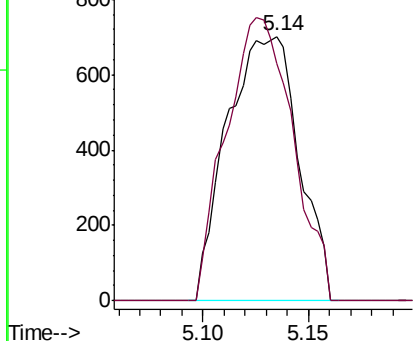


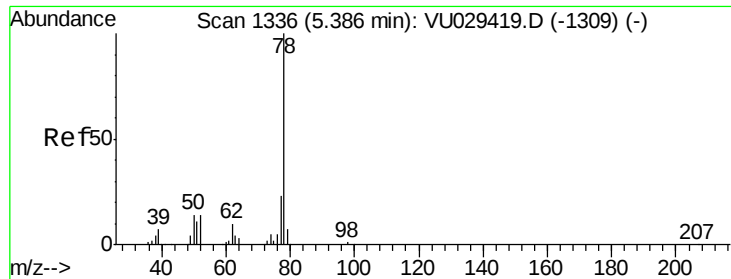
#31
Carbon tetrachloride
Concen: 0.080 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Tgt Ion: 117 Resp: 1662
Ion Ratio Lower Upper
117 100
119 99.6 78.1 117.1



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

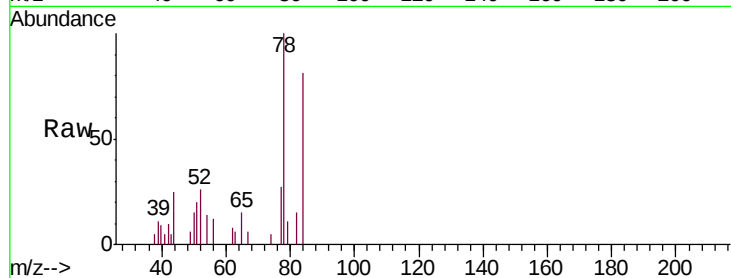




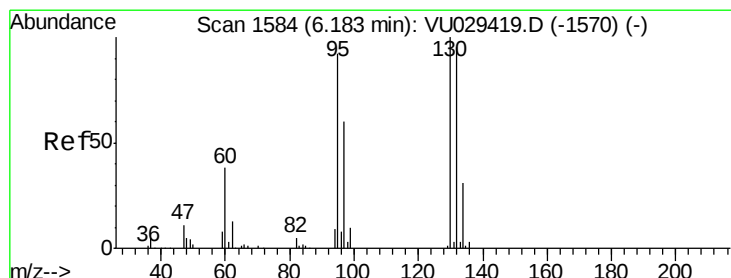
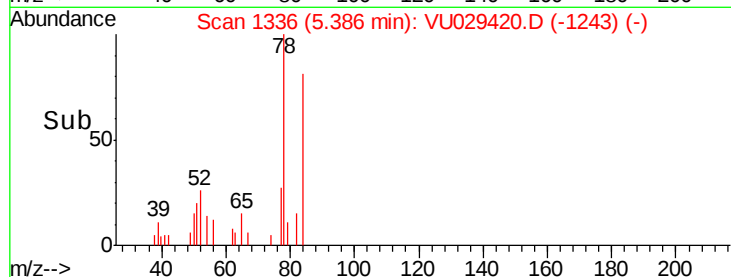
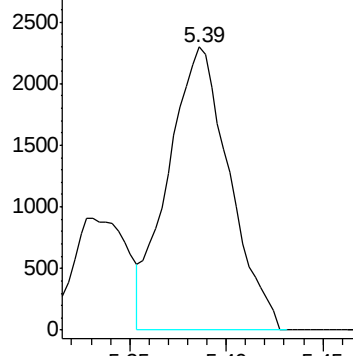
#33
Benzene
Concen: 0.093 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Tgt Ion: 78 Resp: 5060

Instrument :
MSVOA_U
ClientSampleId :
VBLK50



Abundance Ion 78.10 (77.80 to 78.80): VU0



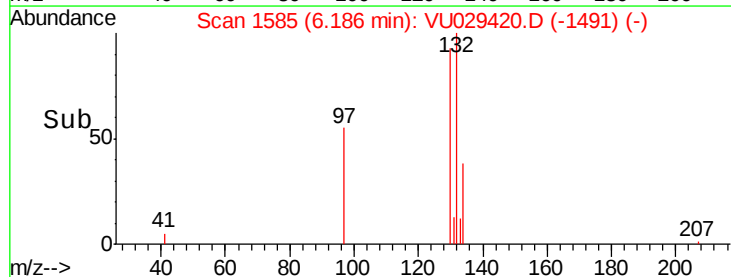
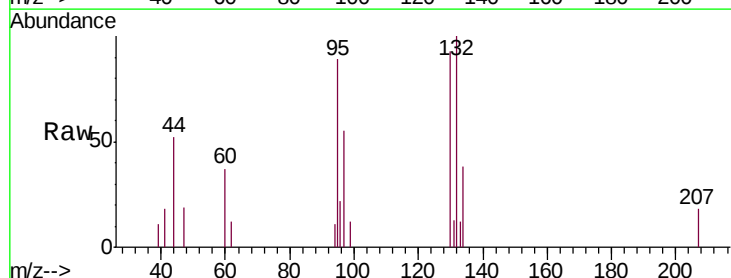
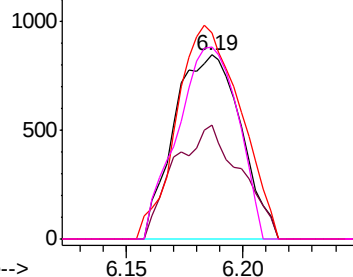
#34
Trichloroethene
Concen: 0.111 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

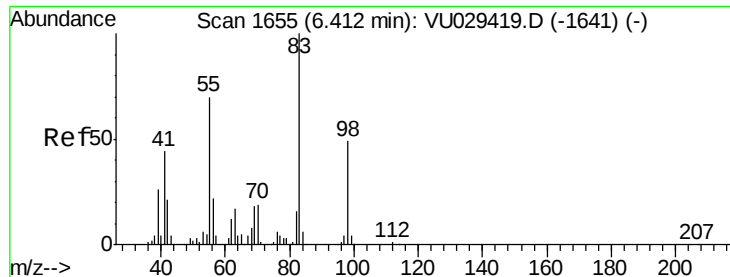
Tgt Ion: 95 Resp: 1696

Ion	Ratio	Lower	Upper
95	100		
97	61.8	46.3	86.1
132	112.1	72.9	135.3
130	104.4	79.2	147.0

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

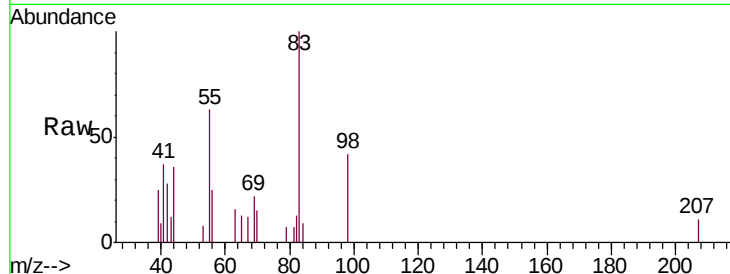




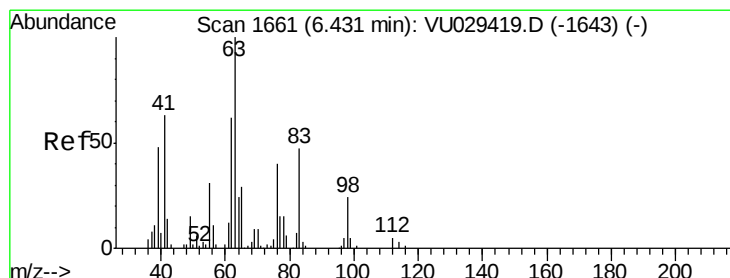
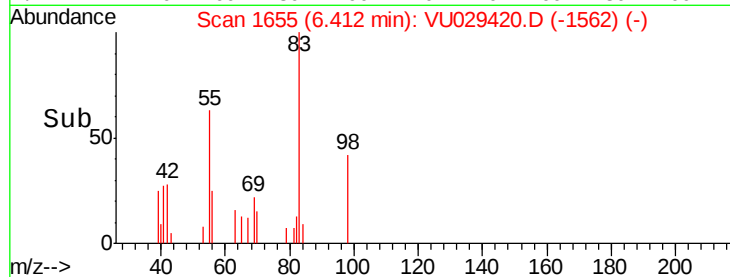
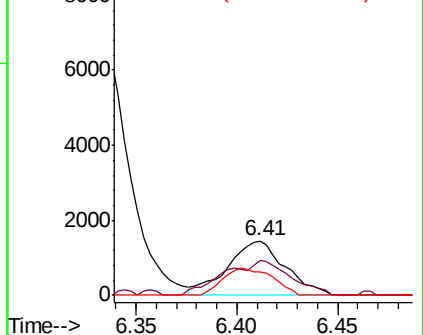
#35
Methylcyclohexane
Concen: 0.111 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
VBLK50

Tgt Ion: 83 Resp: 2872
Ion Ratio Lower Upper
83 100
55 43.0 55.9 83.9#
98 0.0 38.6 57.8#

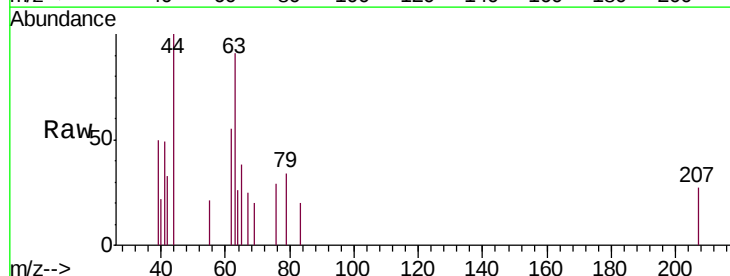


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

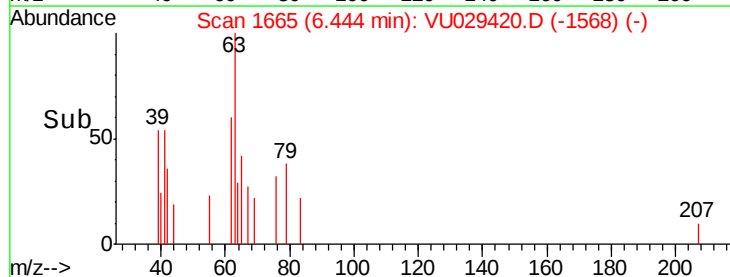
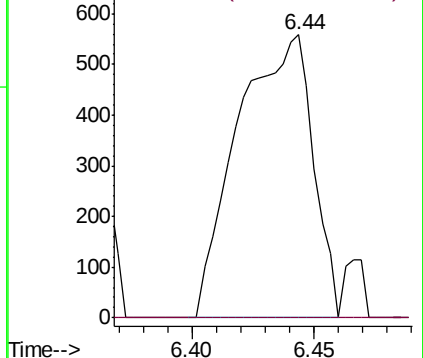


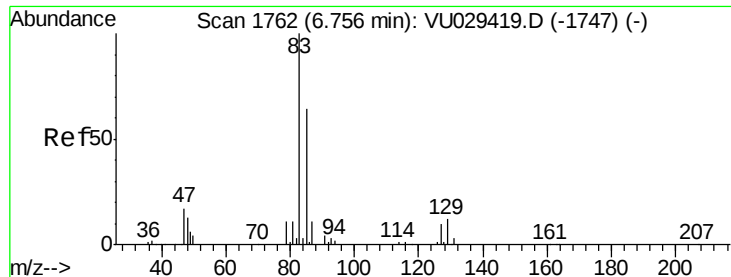
#37
1,2-Dichloropropane
Concen: 0.087 ug/L
RT: 6.44 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Tgt Ion: 63 Resp: 1192
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.082 ug/L

RT: 6.76 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

VBLK50

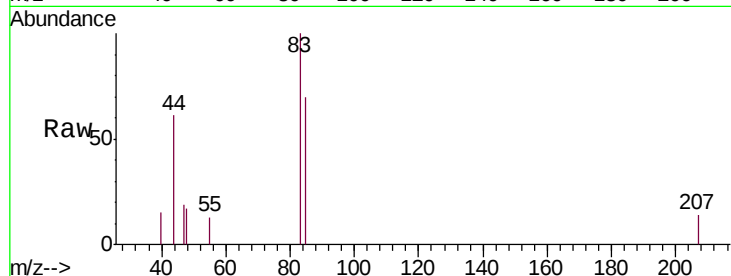
Tgt Ion: 83 Resp: 1473

Ion Ratio Lower Upper

83 100

85 70.1 45.1 83.7

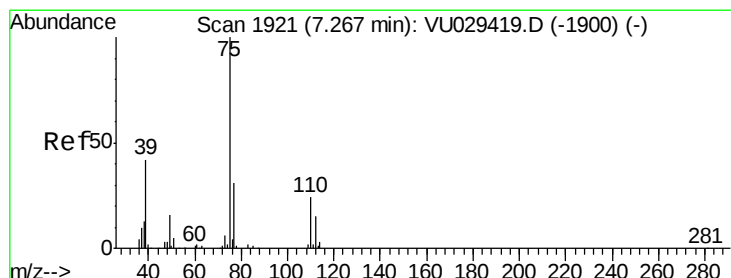
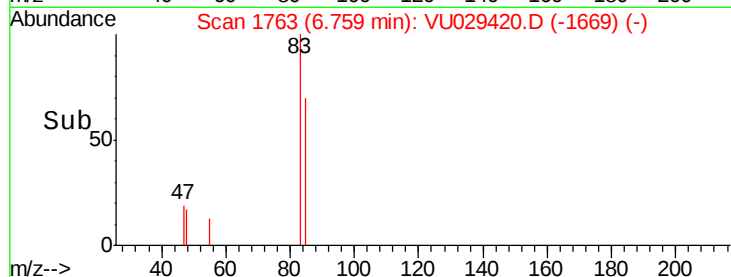
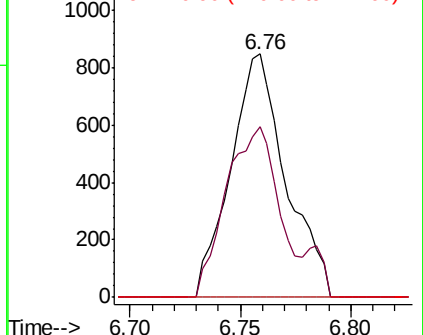
127 0.0 7.8 11.8#



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VU029420.D

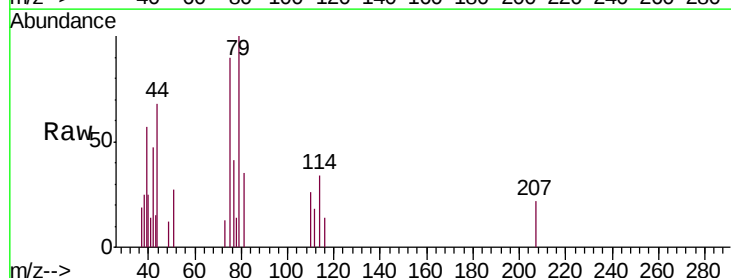
Acq: 12 Feb 2019 15:14

Tgt Ion: 75 Resp: 1772

Ion Ratio Lower Upper

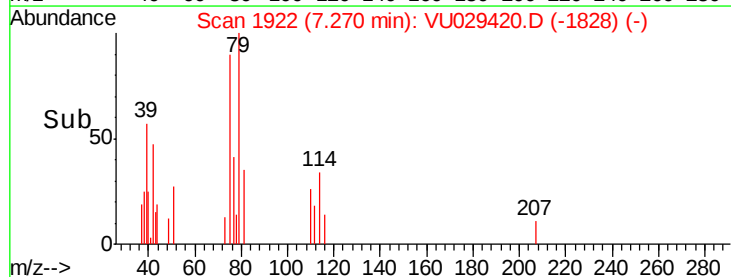
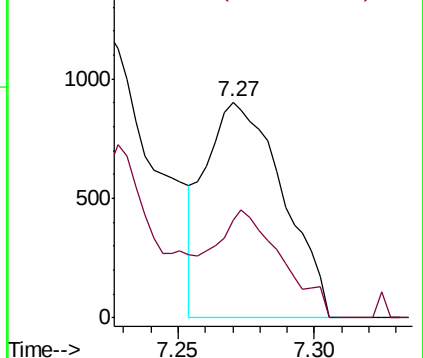
75 100

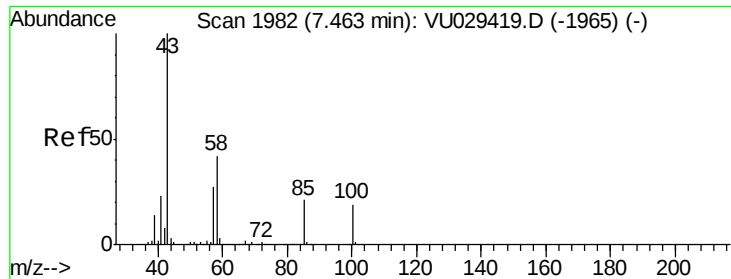
77 45.4 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

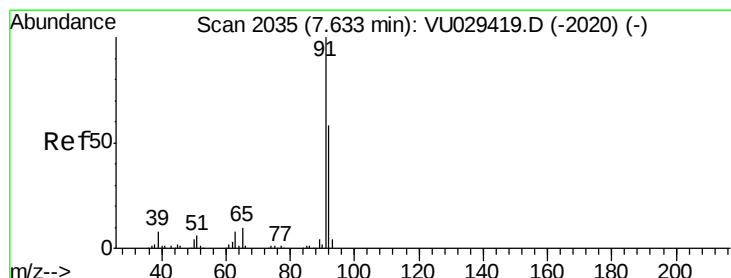
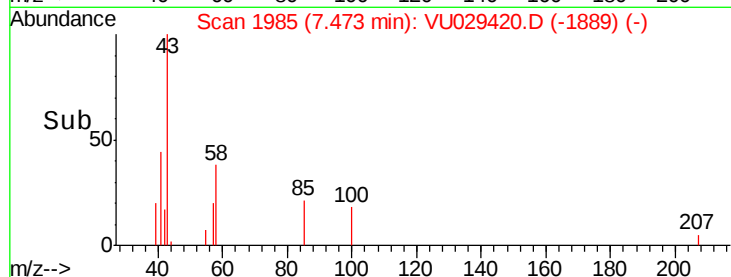
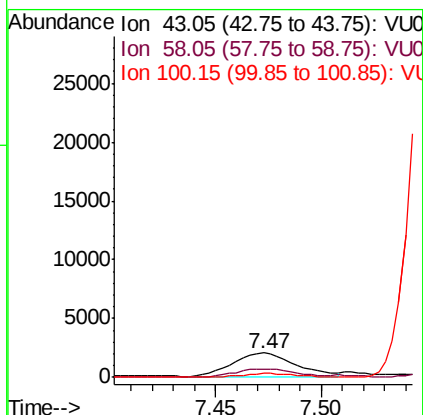
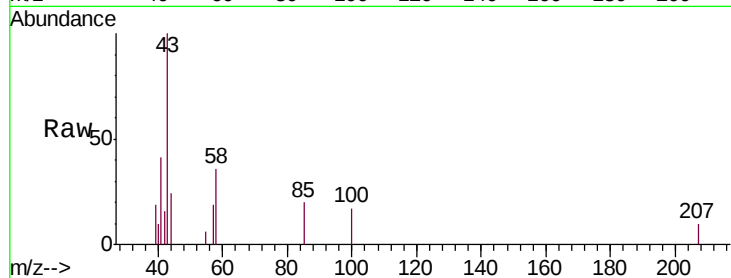




#40
4-Methyl-2-pentanone
Concen: 0.562 ug/L
RT: 7.47 min Scan# 1985
Delta R.T. 0.01 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

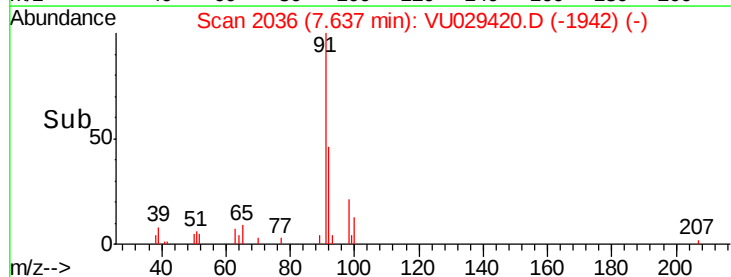
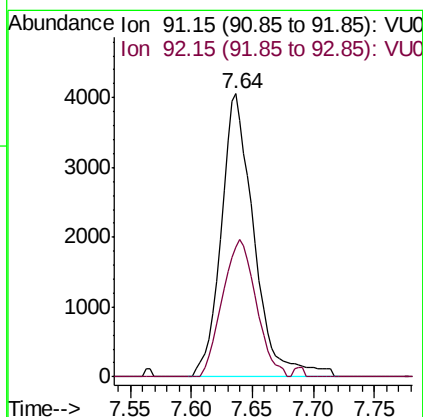
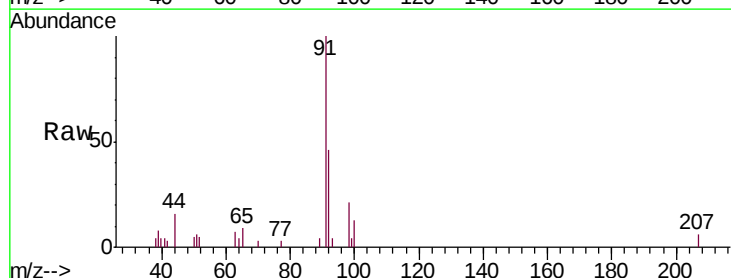
Instrument :
MSVOA_U
ClientSampled :
VBLK50

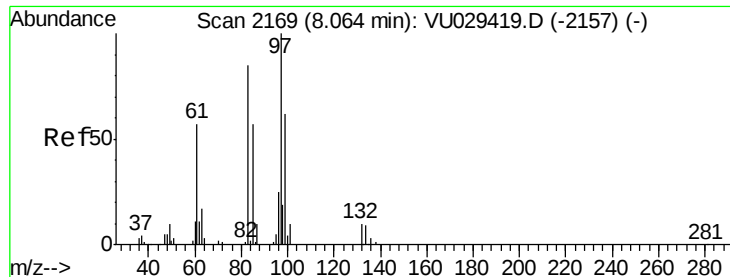
Tgt Ion: 43 Resp: 4423
Ion Ratio Lower Upper
43 100
58 32.3 33.4 50.2#
100 0.0 14.4 21.6#



#42
Toluene
Concen: 0.125 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Tgt Ion: 91 Resp: 7636
Ion Ratio Lower Upper
91 100
92 45.9 39.8 73.8

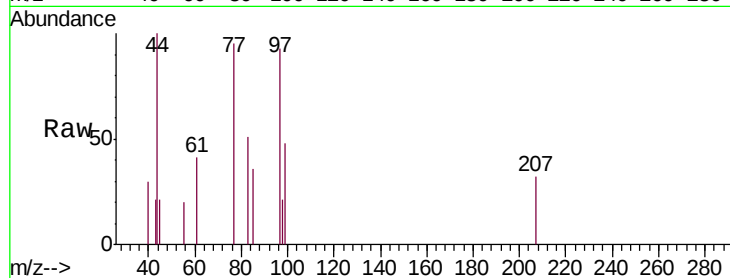




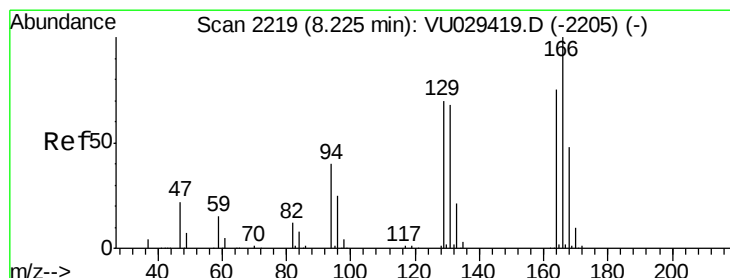
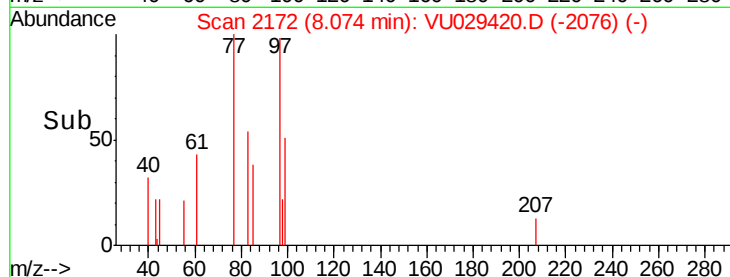
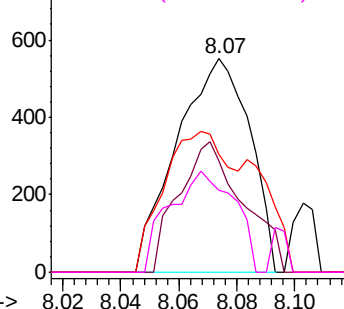
#45
 1,1,2-Trichloroethane
 Concen: 0.092 ug/L
 RT: 8.07 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VU029420.D
 Acq: 12 Feb 2019 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK50

Tgt Ion: 97 Resp: 964
 Ion Ratio Lower Upper
 97 100
 99 51.8 41.6 77.2
 83 55.1 55.8 103.6#
 85 38.2 37.2 69.0

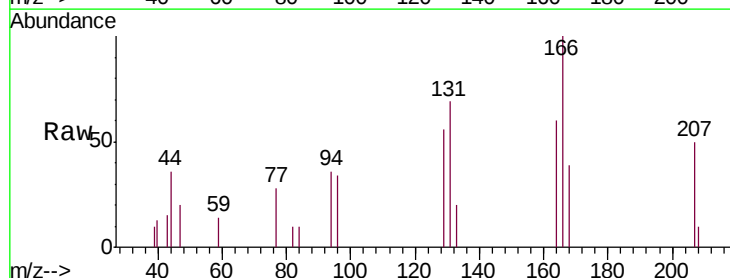


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

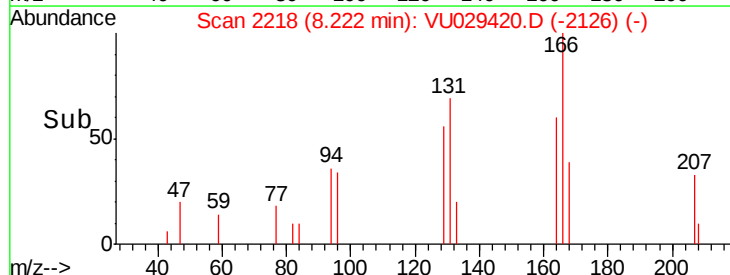
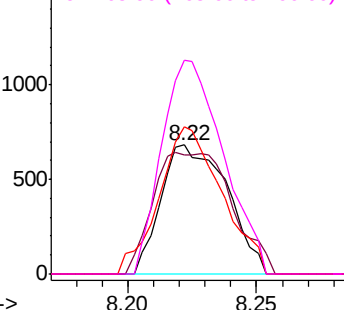


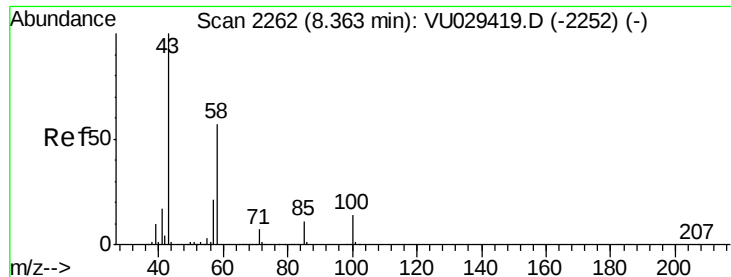
#47
 Tetrachloroethene
 Concen: 0.087 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU029420.D
 Acq: 12 Feb 2019 15:14

Tgt Ion: 164 Resp: 1219
 Ion Ratio Lower Upper
 164 100
 129 92.4 62.9 116.9
 131 114.3 62.1 115.3
 166 166.0 89.8 166.8



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

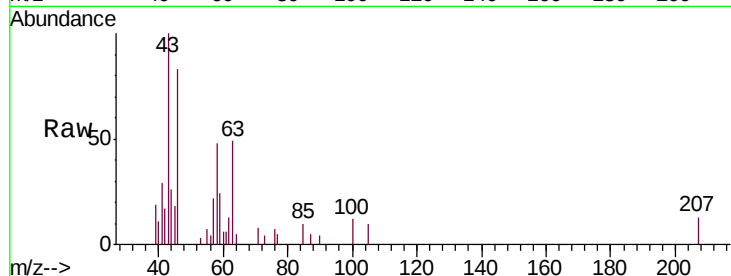




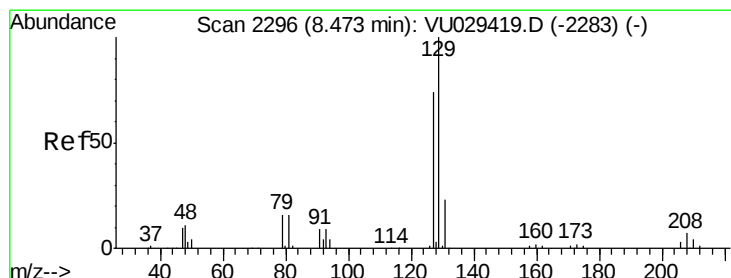
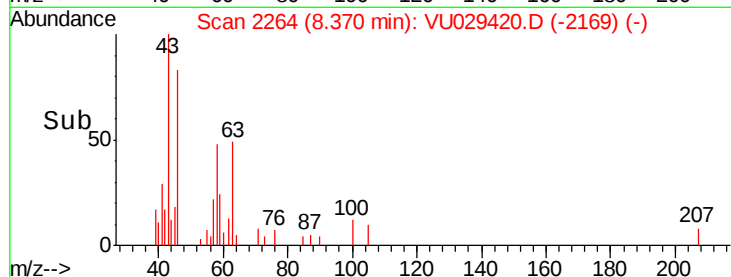
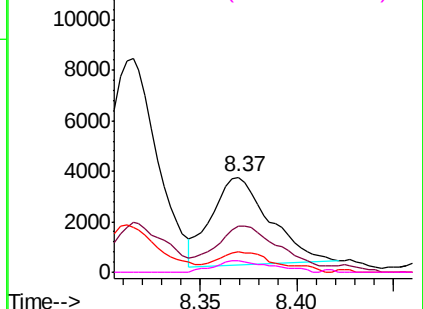
#48
2-Hexanone
Concen: 1.281 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
VBLK50

Tgt Ion:	43	Resp:	7350
Ion	Ratio	Lower	Upper
43	100		
58	59.6	45.7	68.5
57	23.1	16.4	24.6
100	12.7	11.1	16.7

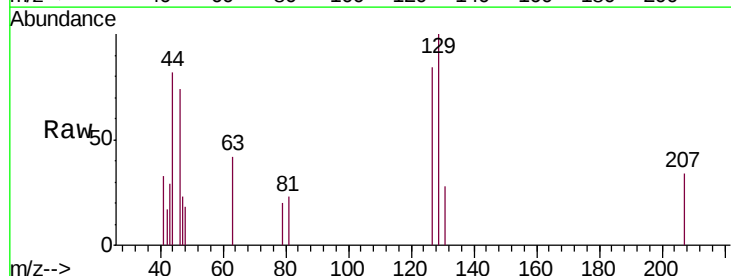


Abundance Ion 43.05 (42.75 to 43.75): VU029420.D (-2169) (-)
Ion 58.05 (57.75 to 58.75): VU029420.D (-2169) (-)
Ion 57.20 (56.90 to 57.90): VU029420.D (-2169) (-)
Ion 100.15 (99.85 to 100.85): VU029420.D (-2169) (-)

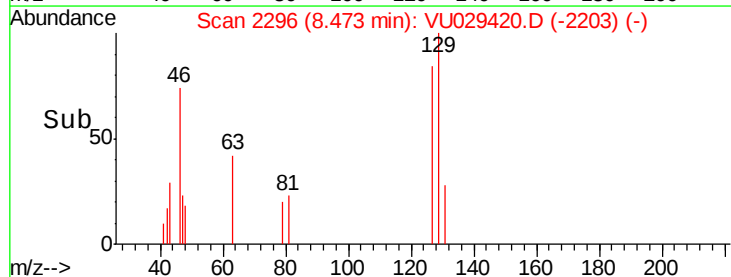
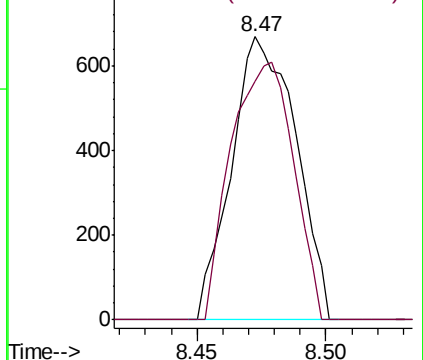


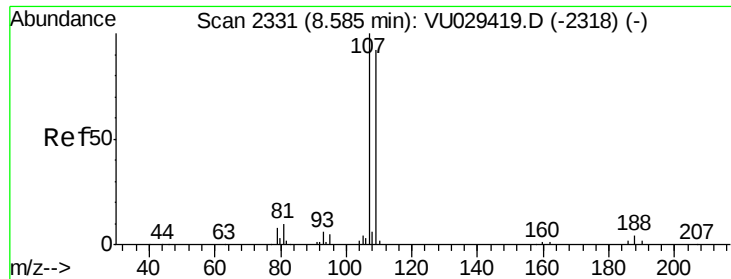
#49
Dibromochloromethane
Concen: 0.083 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Tgt Ion:	129	Resp:	1164
Ion	Ratio	Lower	Upper
129	100		
127	84.3	53.3	99.1



Abundance Ion 128.95 (128.65 to 129.65): VU029420.D (-2203) (-)
Ion 126.90 (126.60 to 127.60): VU029420.D (-2203) (-)

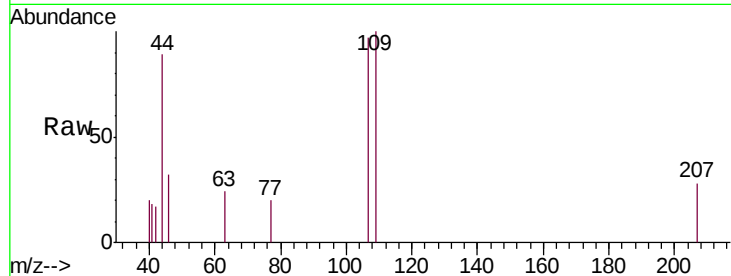




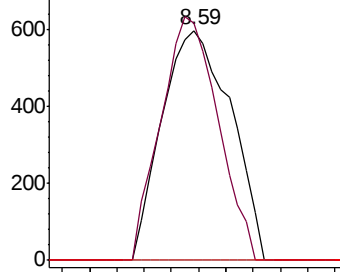
#50
1,2-Dibromoethane
Concen: 0.101 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
VBLK50

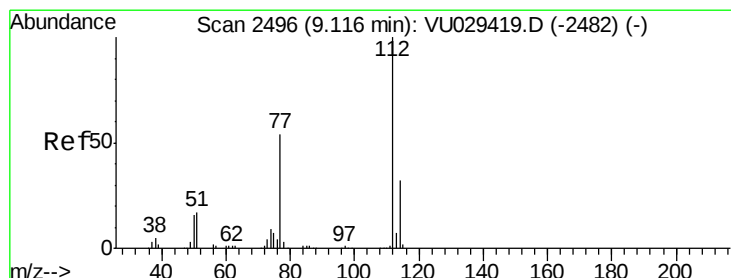
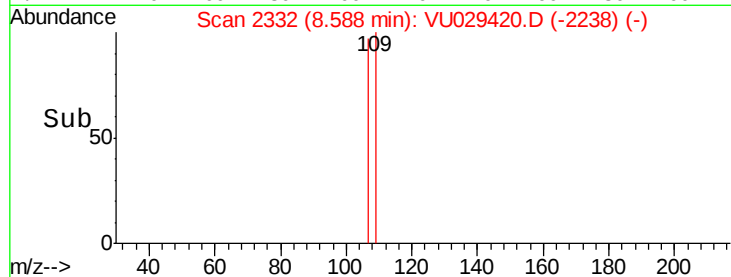
Tgt Ion:107 Resp: 1050
Ion Ratio Lower Upper
107 100
109 103.2 64.1 119.1
188 0.0 3.7 5.5#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

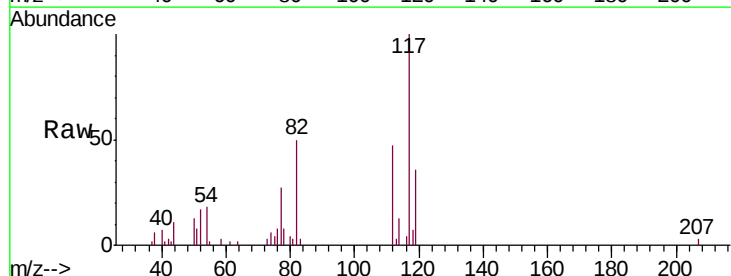


Time-->

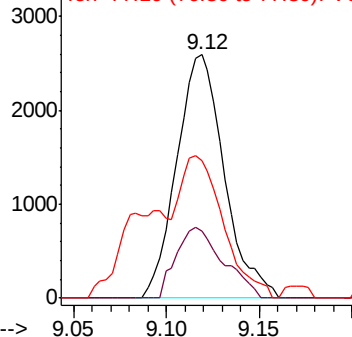


#51
Chlorobenzene
Concen: 0.110 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

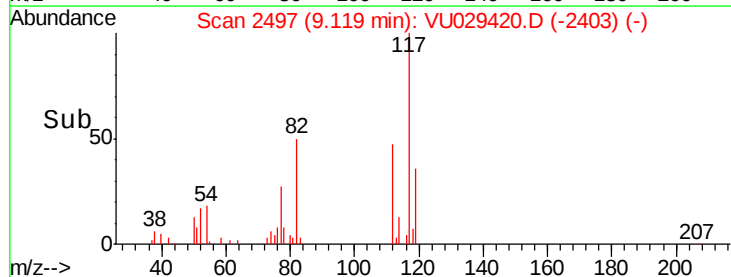
Tgt Ion:112 Resp: 4621
Ion Ratio Lower Upper
112 100
114 27.7 22.9 42.5
77 56.6 41.8 62.6

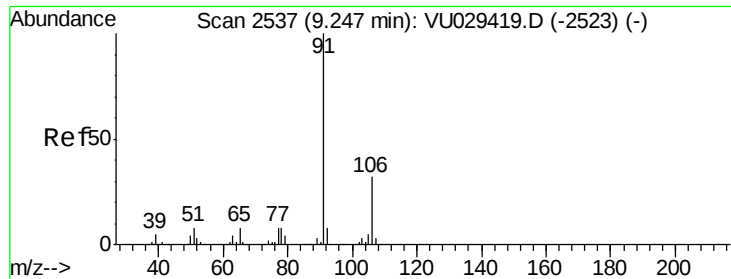


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



Time-->

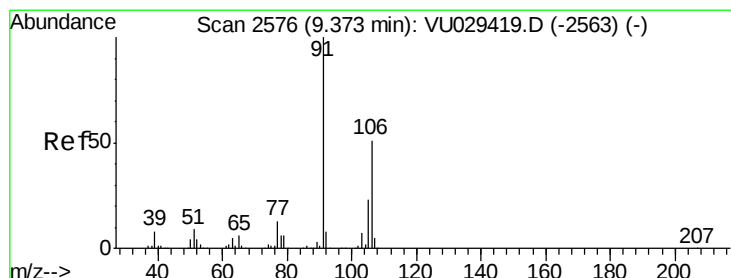
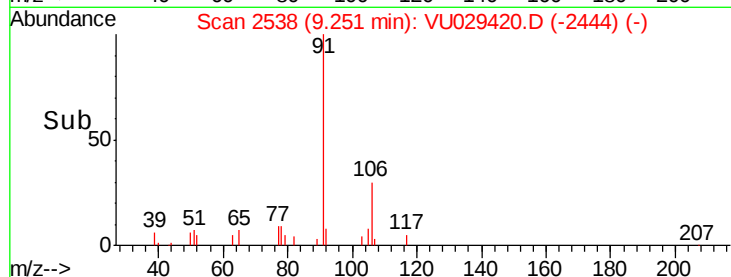
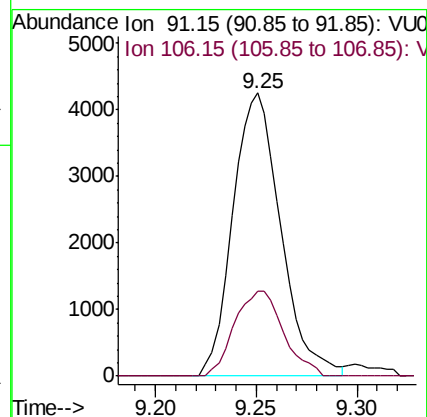
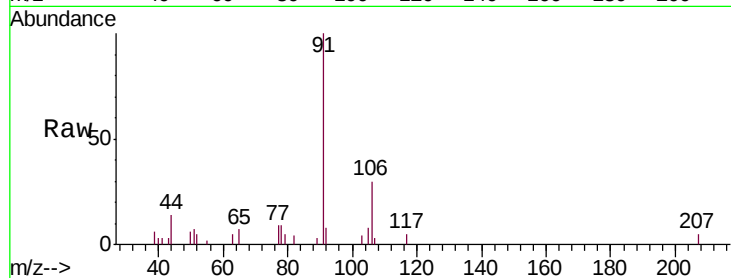




#52
Ethylbenzene
Concen: 0.102 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

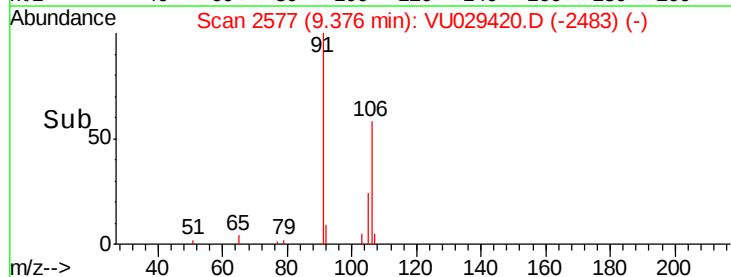
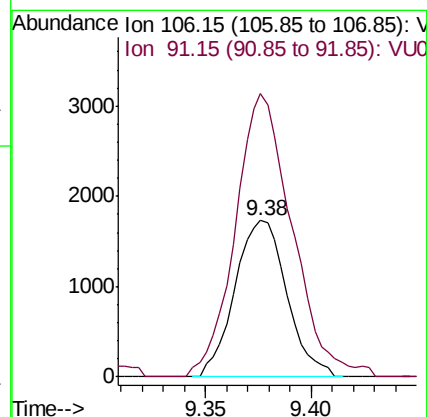
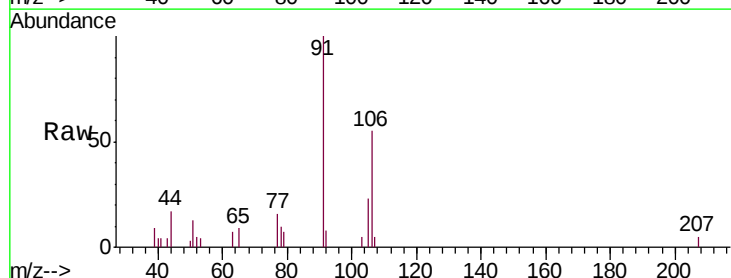
Instrument :
MSVOA_U
ClientSampleId :
VBLK50

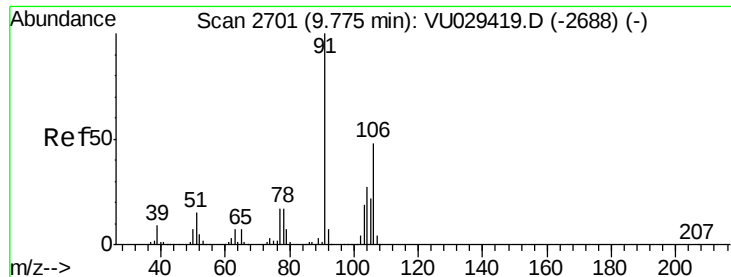
Tgt Ion: 91 Resp: 7073
Ion Ratio Lower Upper
91 100
106 30.0 22.8 42.4



#53
m,p-xylene
Concen: 0.107 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Tgt Ion: 106 Resp: 2963
Ion Ratio Lower Upper
106 100
91 181.2 135.7 251.9

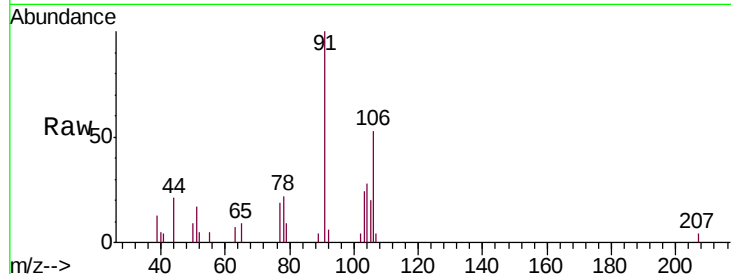




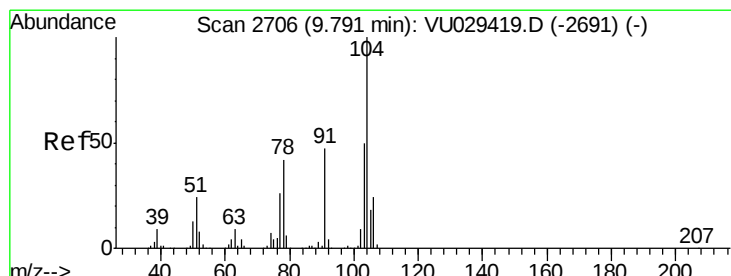
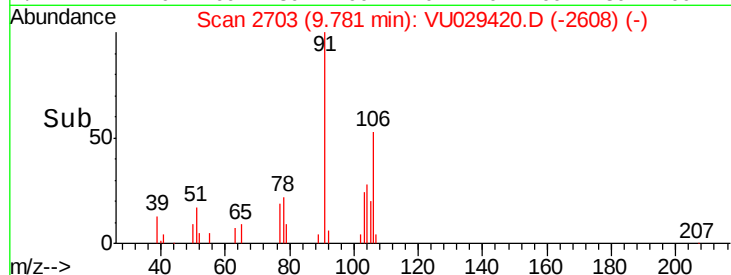
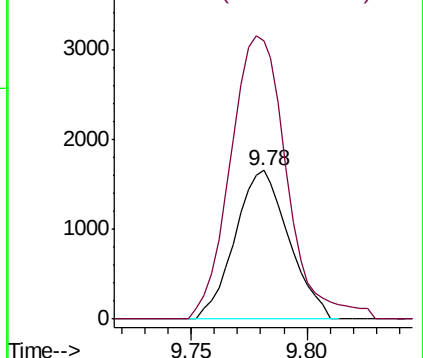
#54
o-xylene
Concen: 0.098 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
VBLK50

Tgt Ion:106 Resp: 2664
Ion Ratio Lower Upper
106 100
91 187.4 145.1 269.5

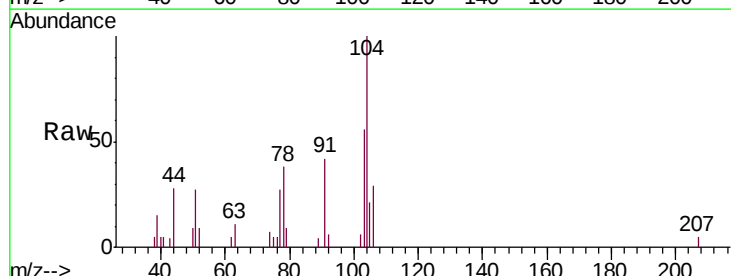


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

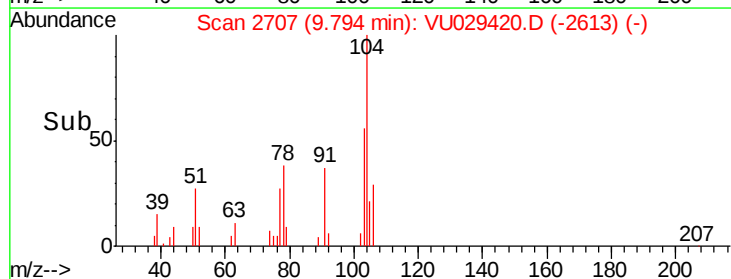
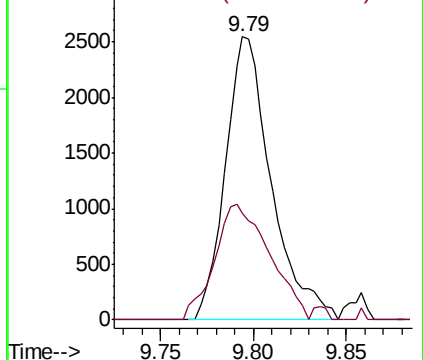


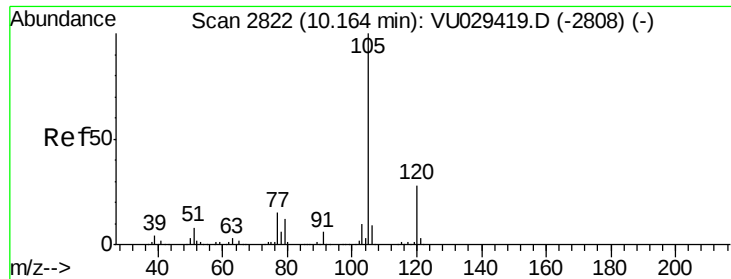
#55
Styrene
Concen: 0.097 ug/L
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU029420.D
Acq: 12 Feb 2019 15:14

Tgt Ion:104 Resp: 4366
Ion Ratio Lower Upper
104 100
78 37.6 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.099 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Instrument :

MSVOA_U

ClientSampled :

VBLK50

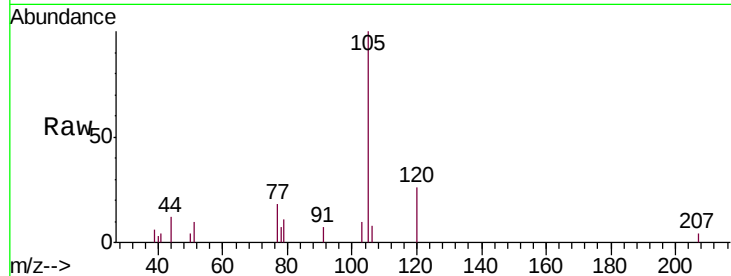
Tgt Ion: 105 Resp: 7104

Ion Ratio Lower Upper

105 100

120 24.8 22.2 33.4

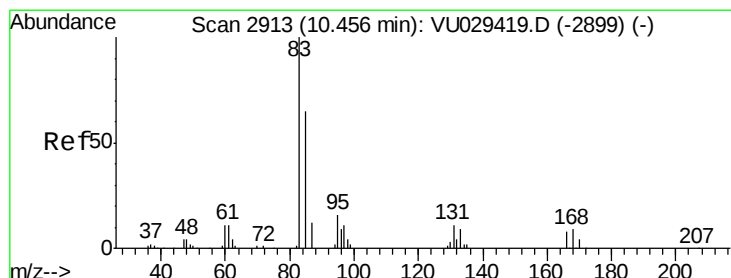
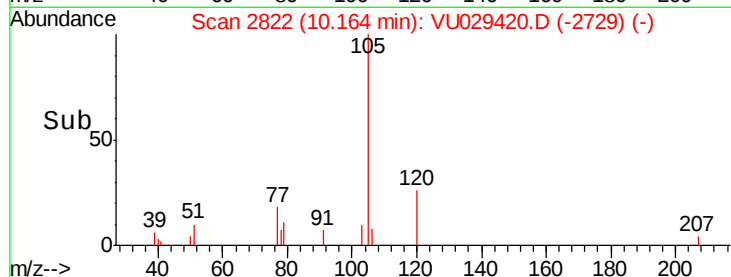
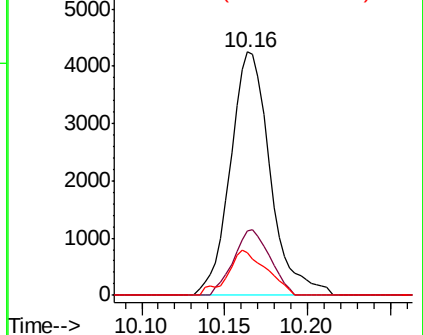
77 18.2 11.5 17.3#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.123 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

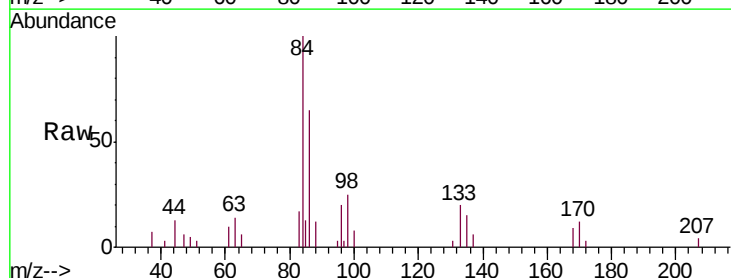
Tgt Ion: 83 Resp: 1571

Ion Ratio Lower Upper

83 100

85 75.8 46.5 86.3

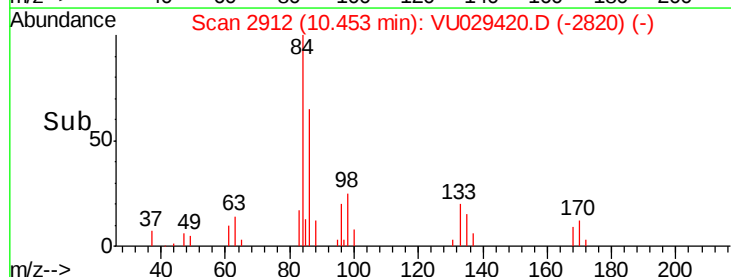
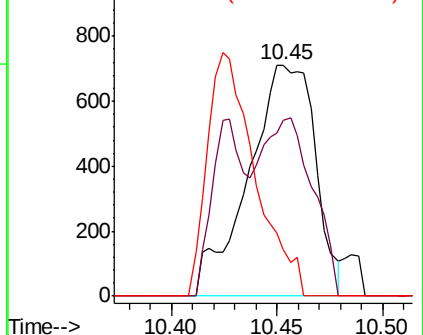
131 19.9 8.3 12.5#

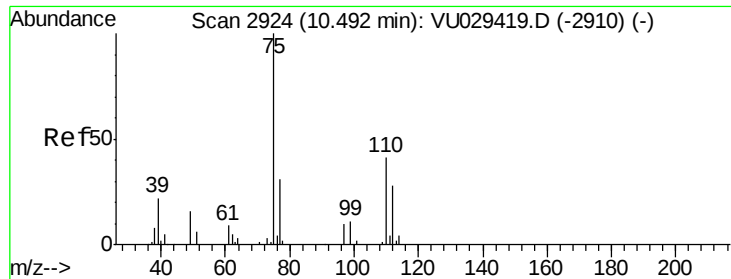


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.345 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

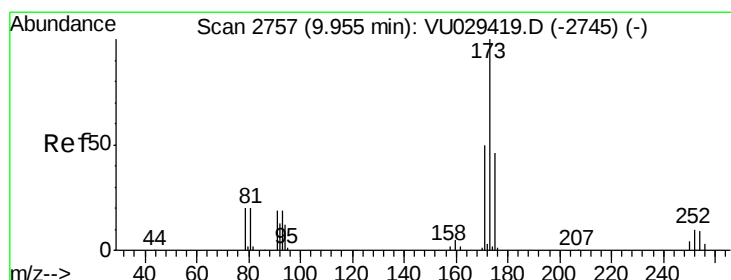
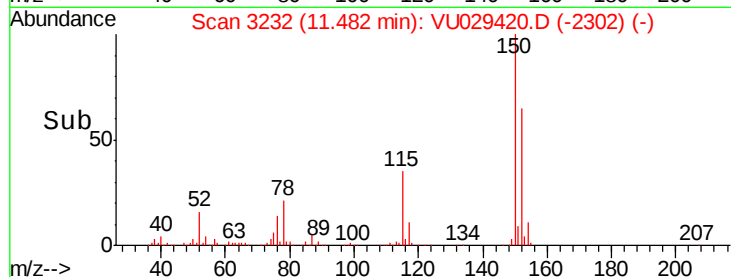
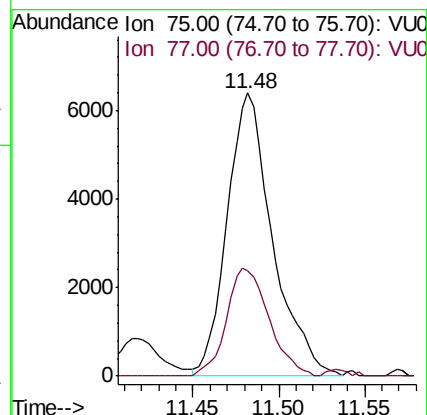
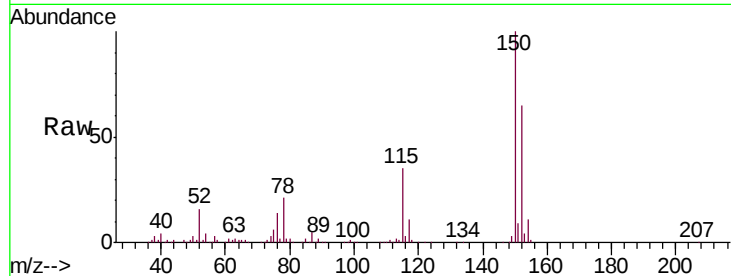
VBLK50

Tgt Ion: 75 Resp: 11775

Ion Ratio Lower Upper

75 100

77 35.6 28.2 42.2



#61

Bromoform

Concen: 0.085 ug/L

RT: 9.96 min Scan# 2760

Delta R.T. 0.01 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

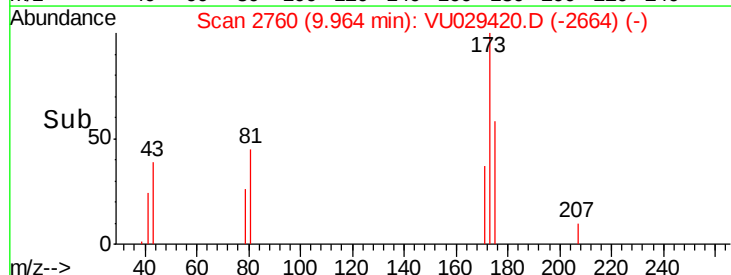
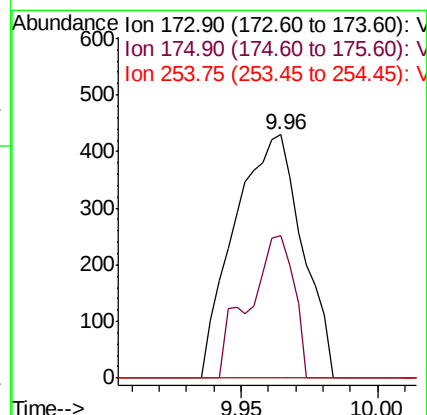
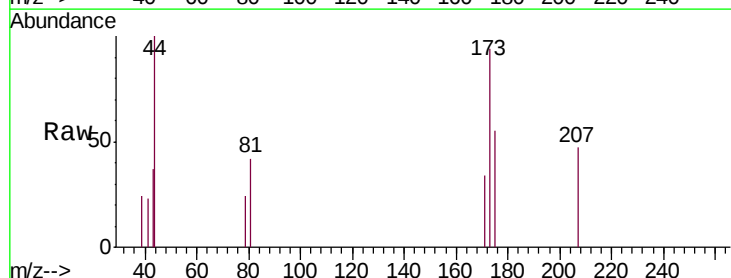
Tgt Ion: 173 Resp: 739

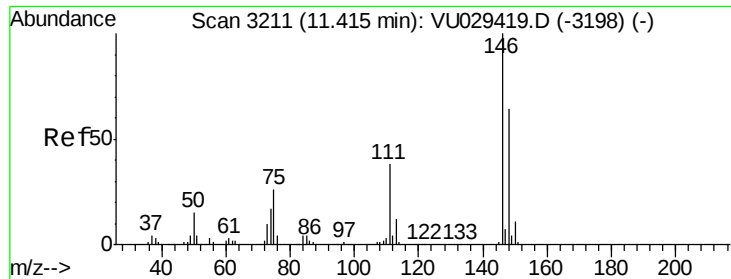
Ion Ratio Lower Upper

173 100

175 39.2 39.2 58.8

254 0.0 7.8 11.6#





#62

1,3-Dichlorobenzene

Concen: 0.128 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

VBLK50

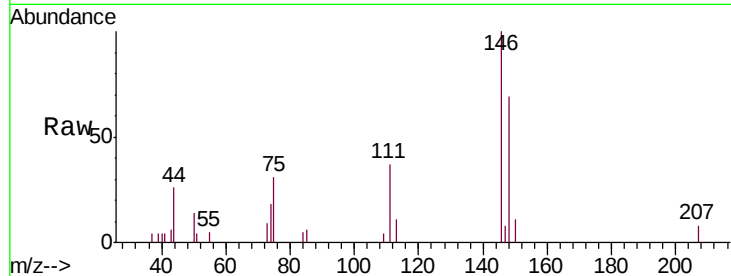
Tgt Ion:146 Resp: 4648

Ion Ratio Lower Upper

146 100

111 36.5 26.1 48.5

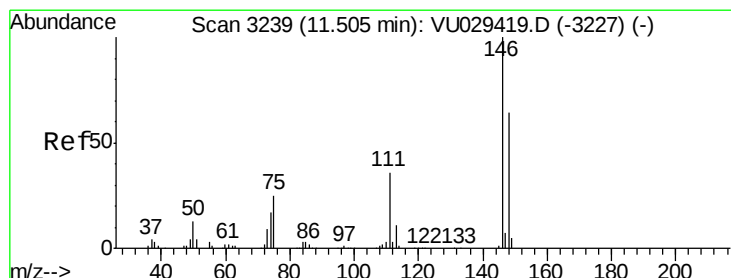
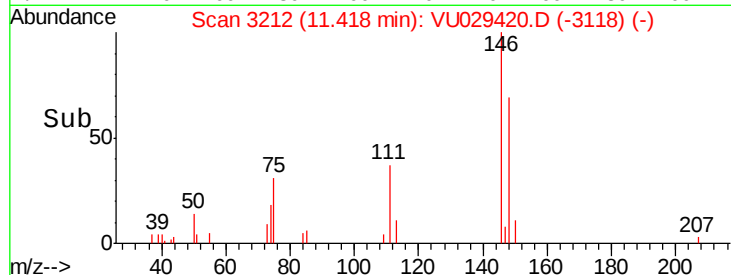
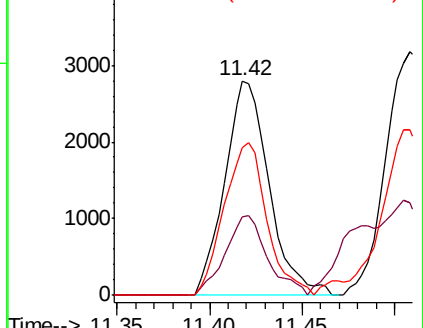
148 68.7 44.7 82.9



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: 0.155 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

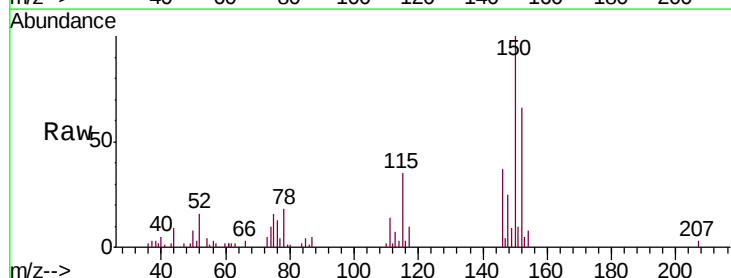
Tgt Ion:146 Resp: 5626

Ion Ratio Lower Upper

146 100

111 38.0 25.6 47.6

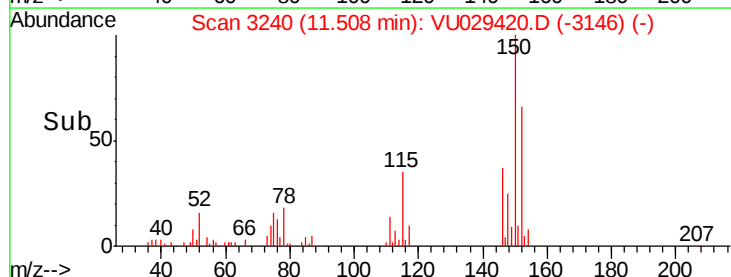
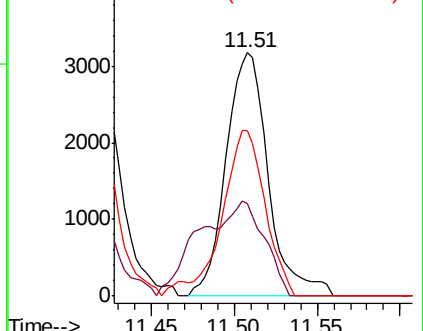
148 68.0 44.2 82.0

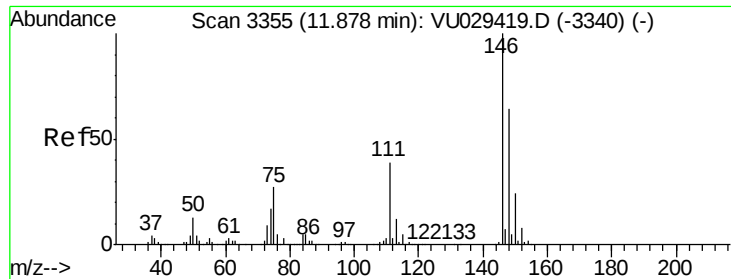


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.126 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

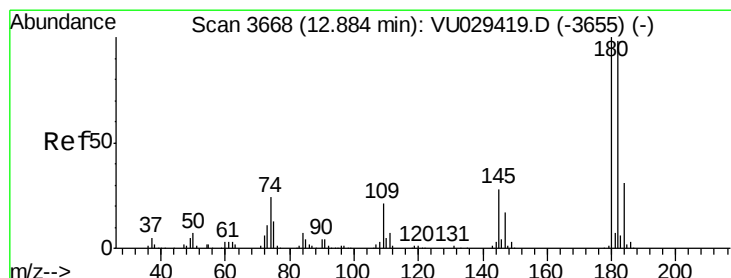
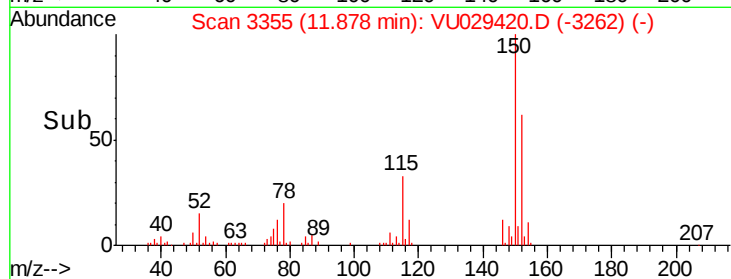
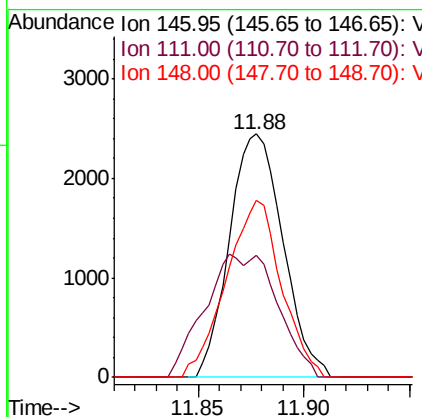
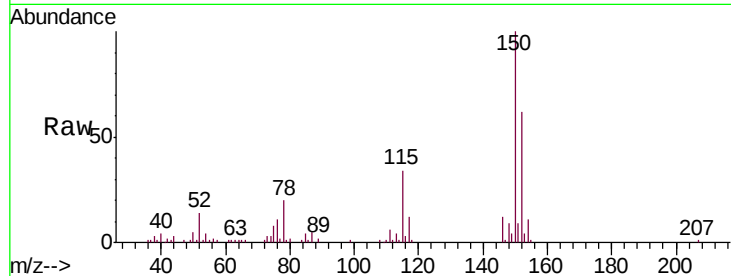
Instrument :

MSVOA_U

ClientSampleId :

VBLK50

Tgt Ion:	146	Resp:	4319
Ion	Ratio	Lower	Upper
146	100		
111	50.0	30.9	46.3#
148	72.6	51.0	76.4



#67

1,3,5-Trichlorobenzene

Concen: 0.142 ug/L

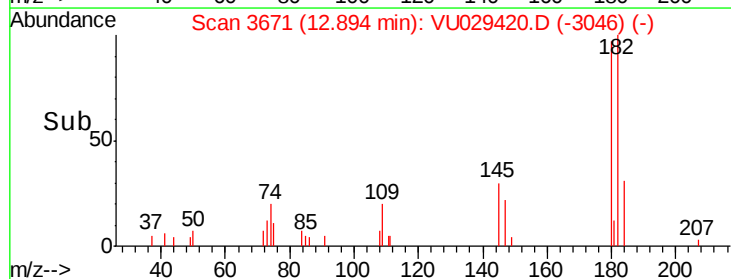
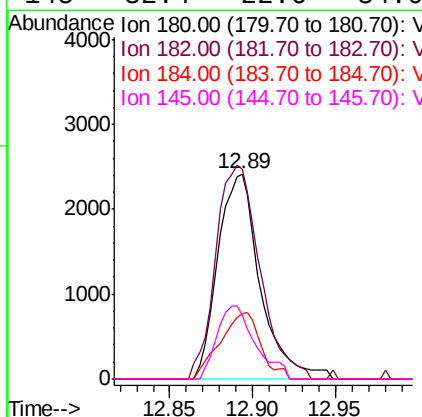
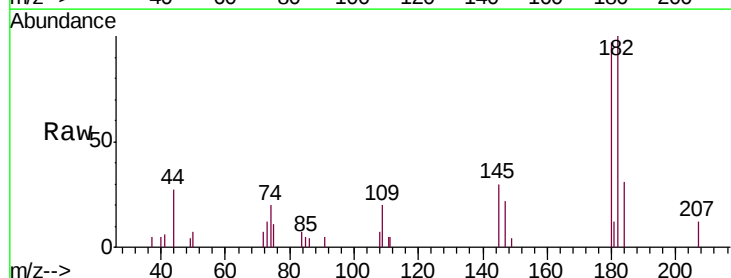
RT: 12.89 min Scan# 3671

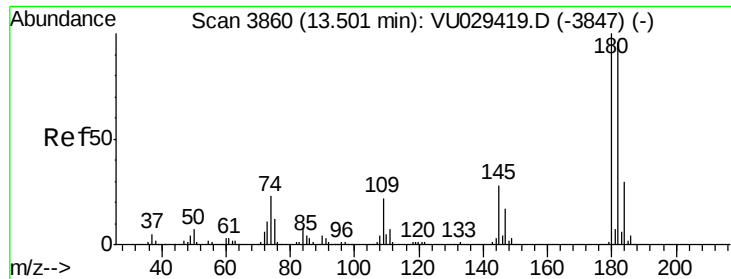
Delta R.T. 0.01 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Tgt Ion:	180	Resp:	4280
Ion	Ratio	Lower	Upper
180	100		
182	108.4	76.0	114.0
184	31.1	24.1	36.1
145	32.4	22.6	34.0





#68

1,2,4-trichlorobenzene

Concen: 0.196 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.01 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

Instrument :

MSVOA_U

ClientSampleId :

VBLK50

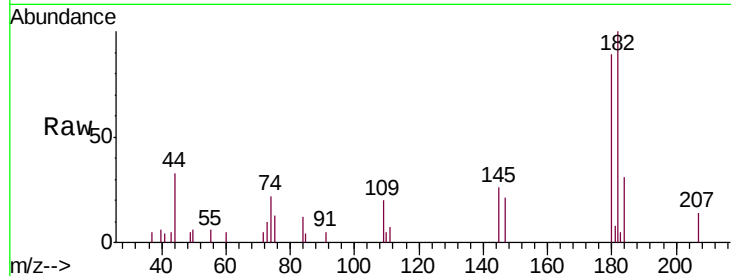
Tgt Ion:180 Resp: 4981

Ion Ratio Lower Upper

180 100

182 103.7 77.1 115.7

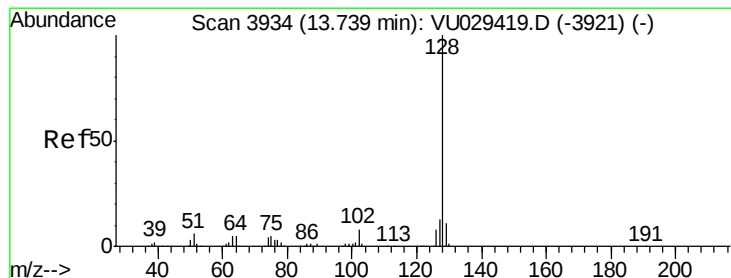
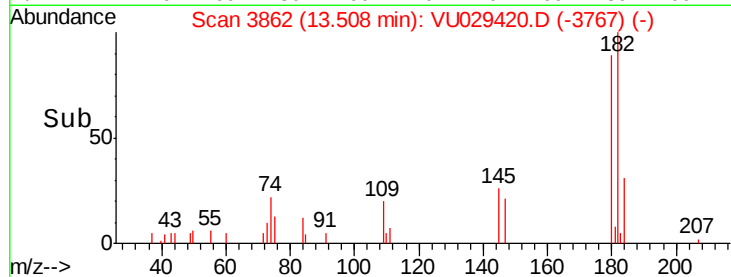
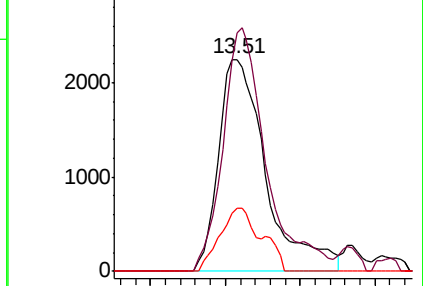
145 26.0 23.1 34.7



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: 0.210 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU029420.D

Acq: 12 Feb 2019 15:14

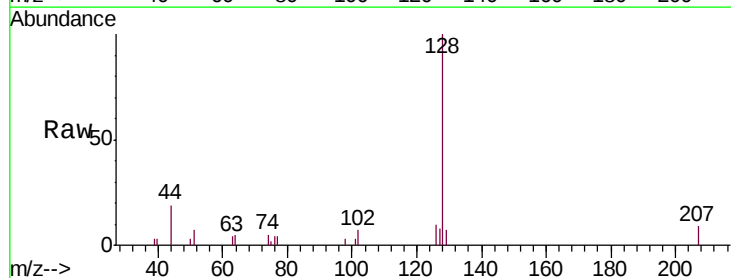
Tgt Ion:128 Resp: 9234

Ion Ratio Lower Upper

128 100

129 7.1 8.7 13.1#

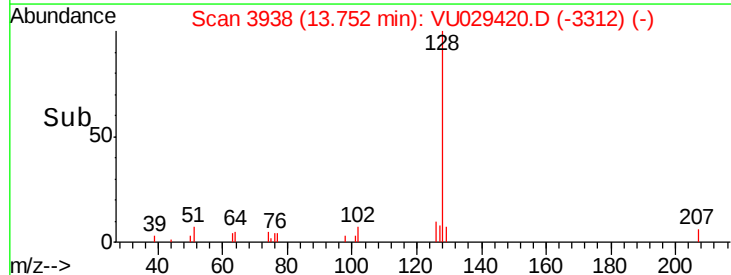
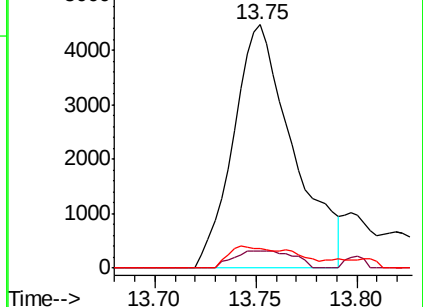
127 6.7 10.3 15.5#

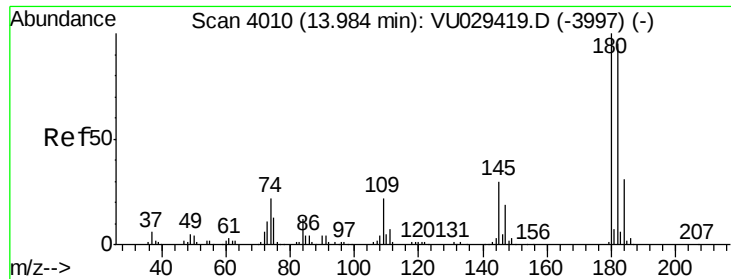


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.181 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU029420.D
 Acq: 12 Feb 2019 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK50

Tgt Ion	Resp	Lower	Upper
180	4398		
182	106.5	75.9	113.9
145	31.4	23.8	35.6

