

Data File : VU029568.D
Acq On : 19 Feb 2019 20:48
Operator : JC/SP
Sample : K1488-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXC9

Quant Time: Feb 20 00:14:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 20 00:07:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	204299	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	200587	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105485	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50577	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.68	69	47490	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.27	63	83346	2.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.80%#
20) 2-Butanone-d5	4.19	46	147847	51.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.60%
24) Chloroform-d	4.65	84	81580	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.80%
26) 1,2-Dichloroethane-d4	5.31	65	56094	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.34	84	204103	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.33	67	66452	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.56	98	195990	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	7.85	79	23322	3.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.20%
46) 2-Hexanone-d5	8.31	63	148203	50.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	59569	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	90163	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	987	0.056	ug/L #	19
12) 1,1-Dichloroethene	2.28	96	1088	0.065	ug/L #	1
13) Acetone	2.32	43	7134	2.752	ug/L	91
15) Methyl Acetate	2.45	43	13306	2.003	ug/L #	47
22) cis-1,2-Dichloroethene	4.22	96	1326	0.080	ug/L	97
25) Chloroform	4.67	83	23136	0.856	ug/L	90
33) Benzene	5.39	78	3883	0.066	ug/L	100
35) Methylcyclohexane	6.33	83	15722	0.563	ug/L #	22
37) 1,2-Dichloropropane	6.33	63	6645	0.449	ug/L #	87
40) 4-Methyl-2-pentanone	7.40	43	6819	0.800	ug/L #	41
42) Toluene	7.64	91	3434	0.052	ug/L	90
45) 1,1,2-Trichloroethane	8.18	97	809	0.071	ug/L #	17
48) 2-Hexanone	8.37	43	2449	0.394	ug/L #	60
53) m,p-xylene	9.37	106	2527	0.084	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	10767	1.135	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	1082	0.491	ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021919\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 20 00:07:58 2019
Response via : Initial Calibration

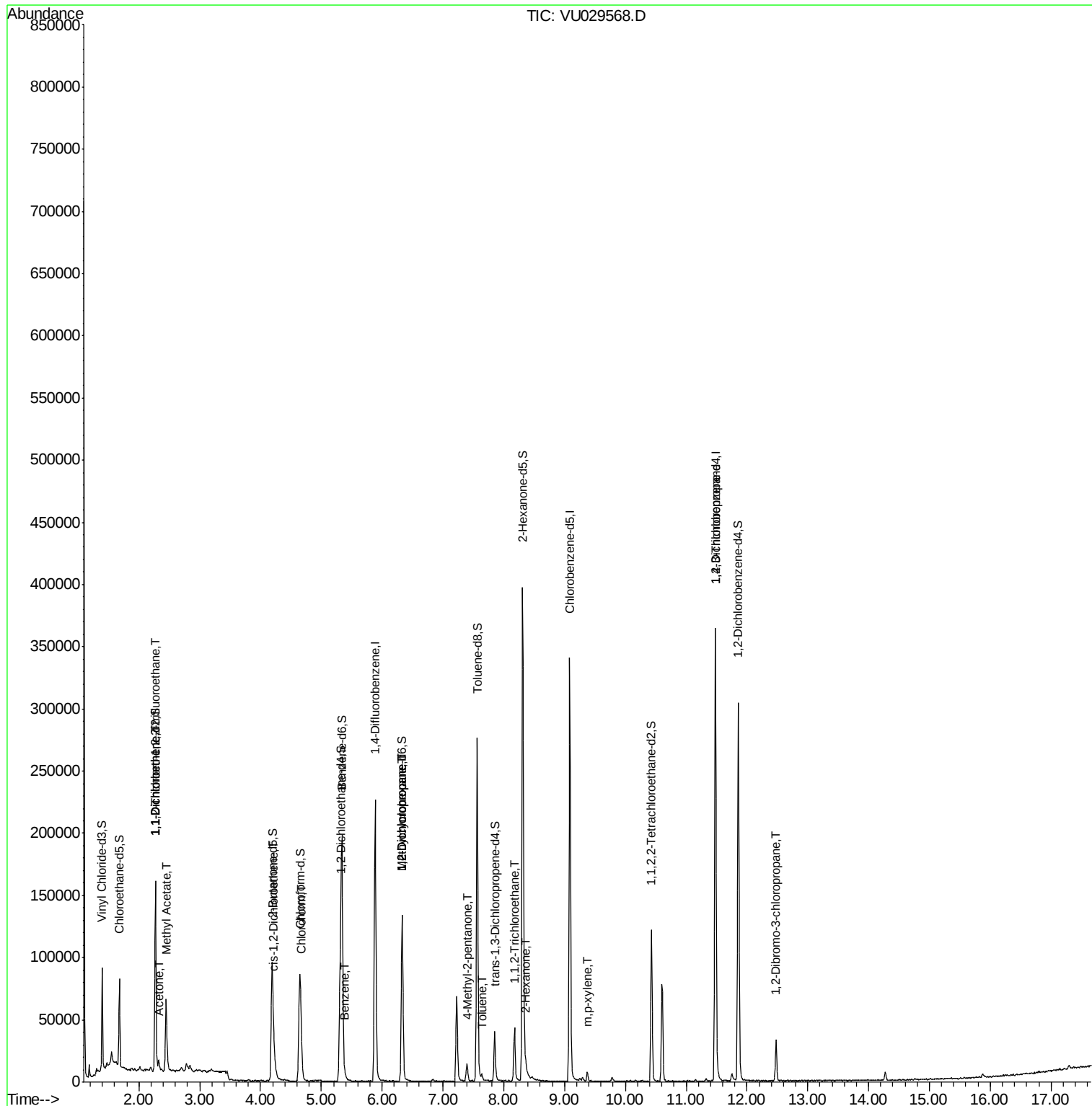
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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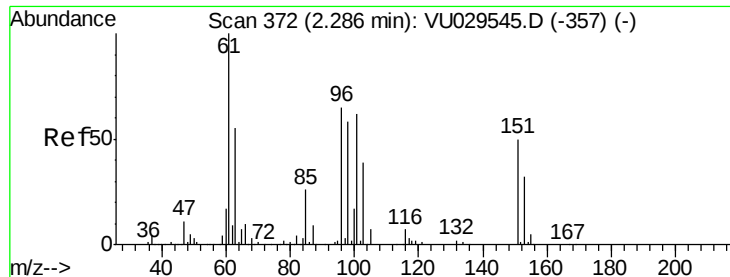
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.056 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VU029568.D

Acq: 19 Feb 2019 20:48

Instrument :

MSVOA_U

ClientSampleId :

ESXC9

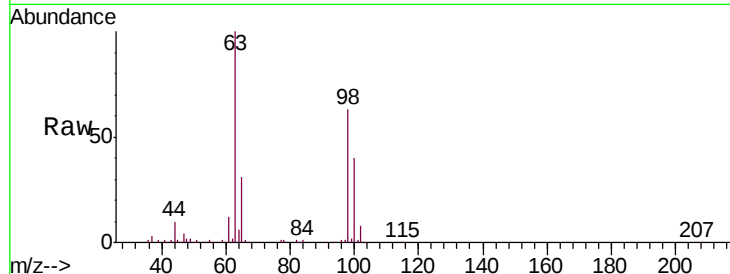
Tgt Ion: 101 Resp: 987

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

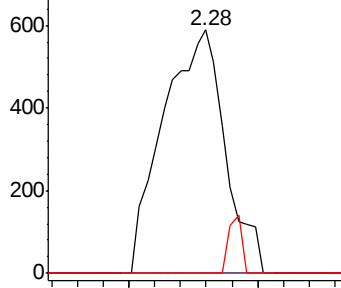
151 5.0 67.0 100.6#



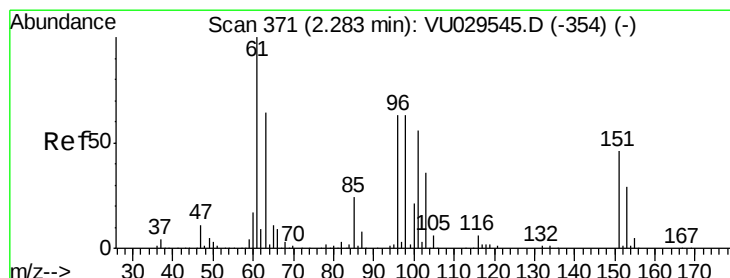
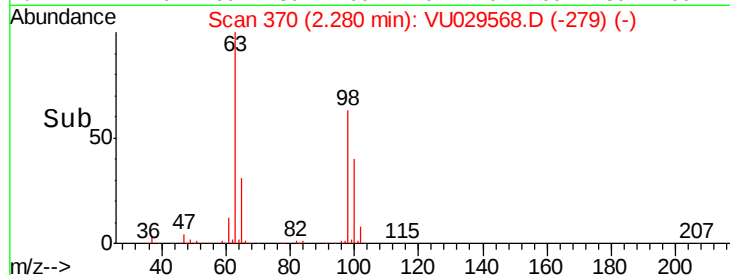
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029568.D

Acq: 19 Feb 2019 20:48

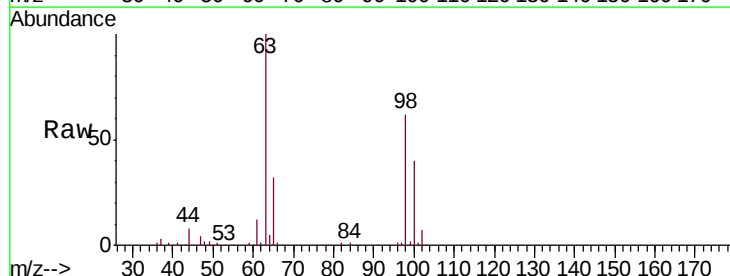
Tgt Ion: 96 Resp: 1088

Ion Ratio Lower Upper

96 100

61 1076.6 115.1 213.7#

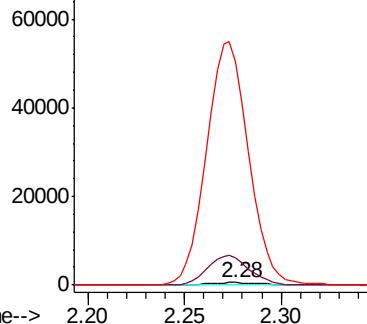
63 8662.1 83.5 155.1#



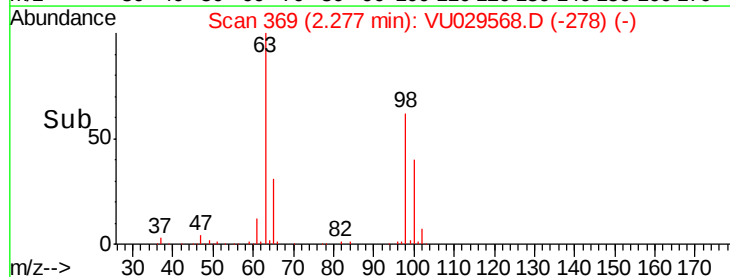
Abundance Ion 96.00 (95.70 to 96.70): VU0

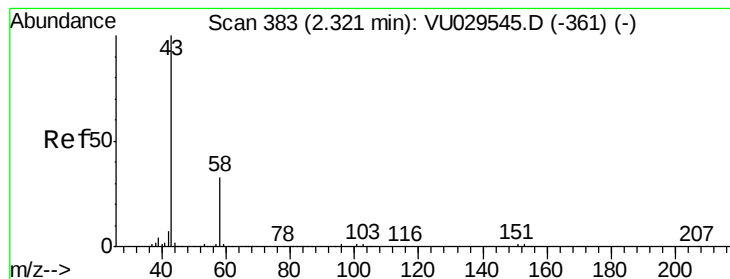
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->





#13

Acetone

Concen: 2.752 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029568.D

Acq: 19 Feb 2019 20:48

Instrument :

MSVOA_U

ClientSampleId :

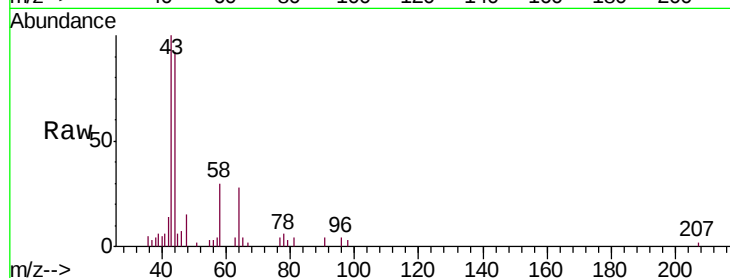
ESXC9

Tgt Ion: 43 Resp: 7134

Ion Ratio Lower Upper

43 100

58 37.7 0.0 65.0



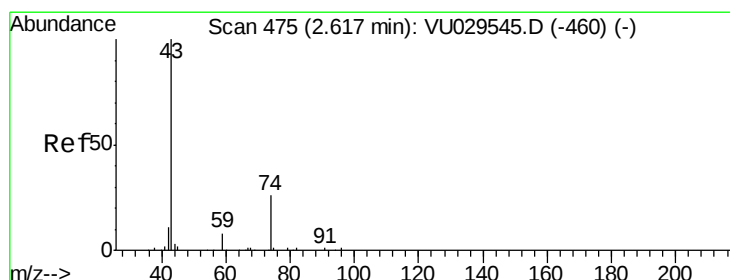
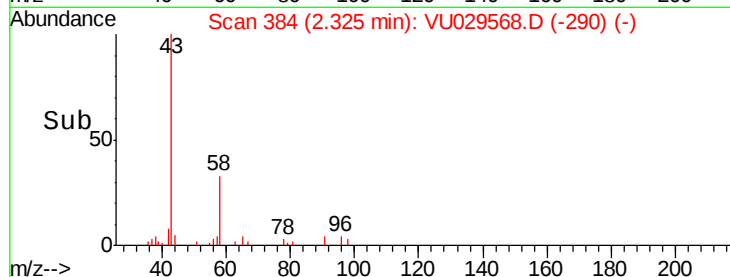
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.32

2.35

Time-->



#15

Methyl Acetate

Concen: 2.003 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.17 min

Lab File: VU029568.D

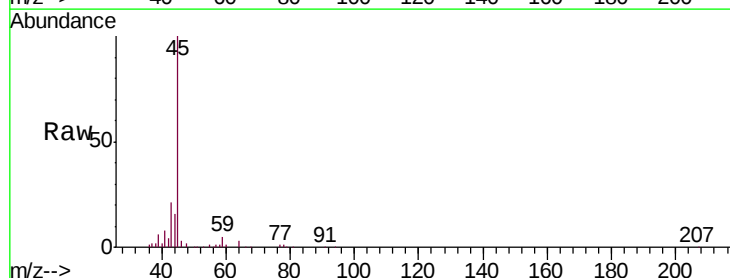
Acq: 19 Feb 2019 20:48

Tgt Ion: 43 Resp: 13306

Ion Ratio Lower Upper

43 100

74 0.2 22.3 33.5#



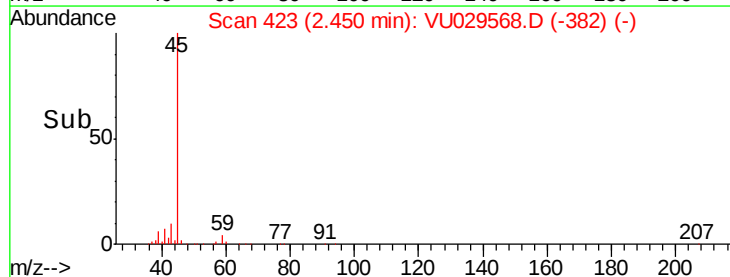
Abundance Ion 43.05 (42.75 to 43.75): VU0

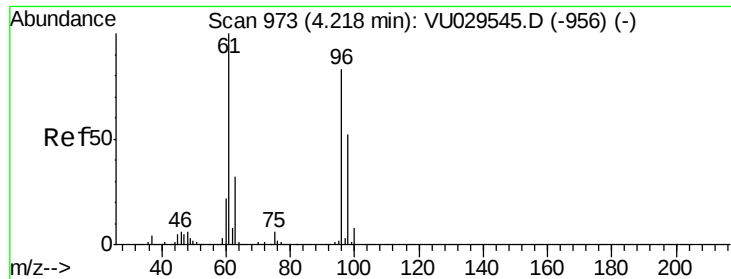
Ion 74.05 (73.75 to 74.75): VU0

2.45

2.50

Time-->



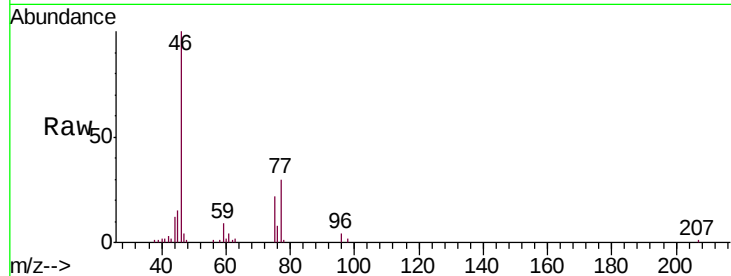


#22

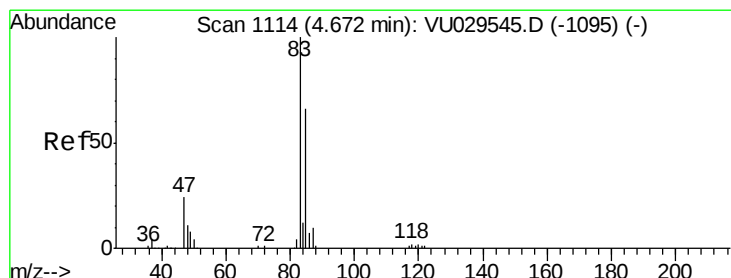
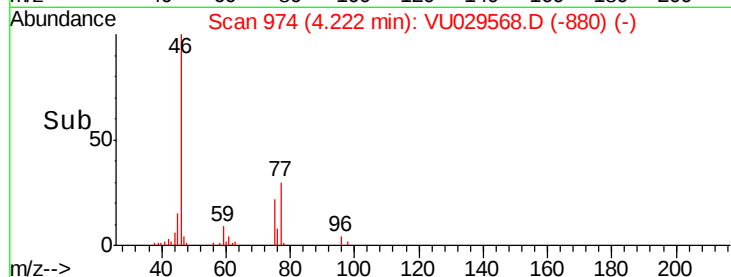
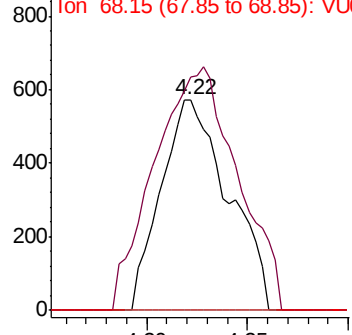
cis-1,2-Dichloroethene
 Concen: 0.080 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029568.D
 Acq: 19 Feb 2019 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXC9

Tgt Ion: 96 Resp: 1326
 Ion Ratio Lower Upper
 96 100
 61 111.0 79.9 148.5
 68 0.0 0.0 0.0



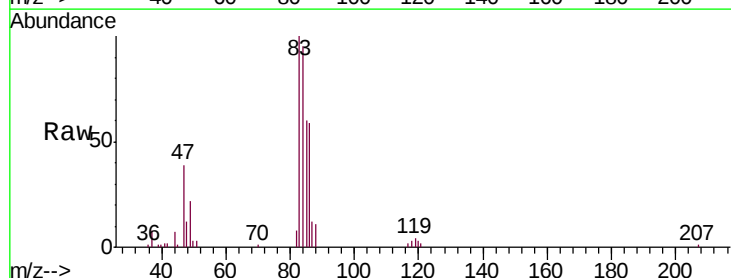
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



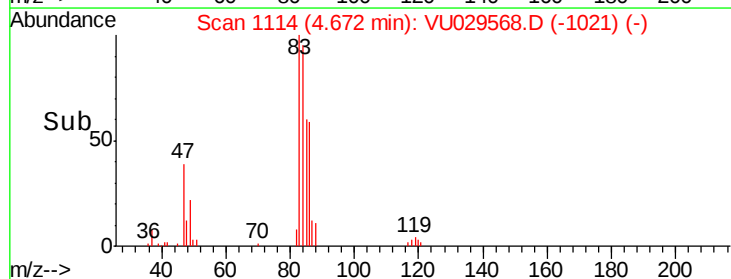
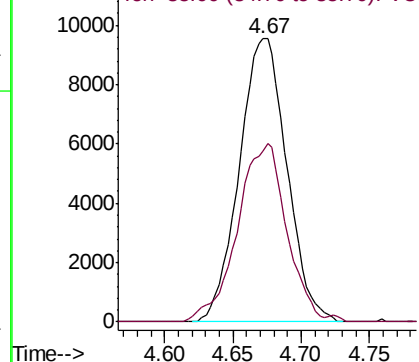
#25

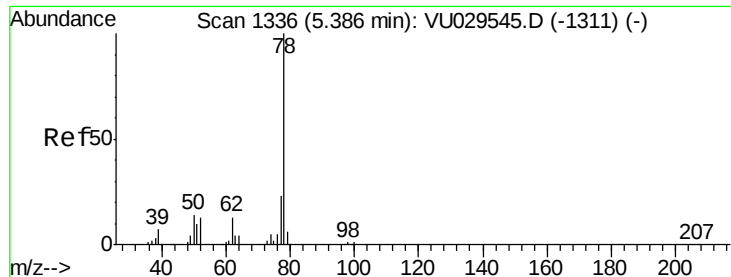
Chloroform
 Concen: 0.856 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VU029568.D
 Acq: 19 Feb 2019 20:48

Tgt Ion: 83 Resp: 23136
 Ion Ratio Lower Upper
 83 100
 85 60.5 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.066 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029568.D

Acq: 19 Feb 2019 20:48

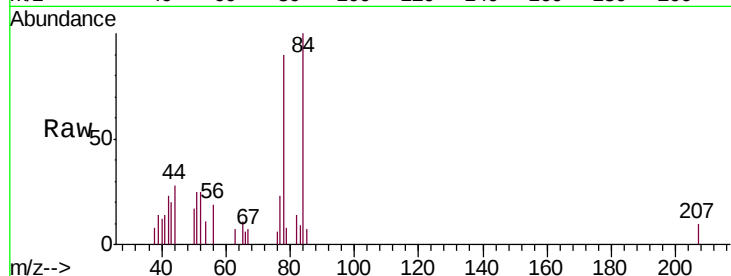
Instrument :

MSVOA_U

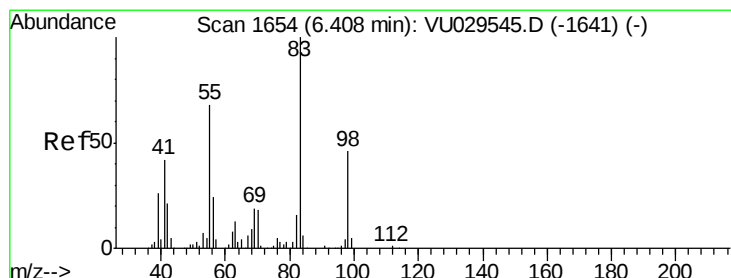
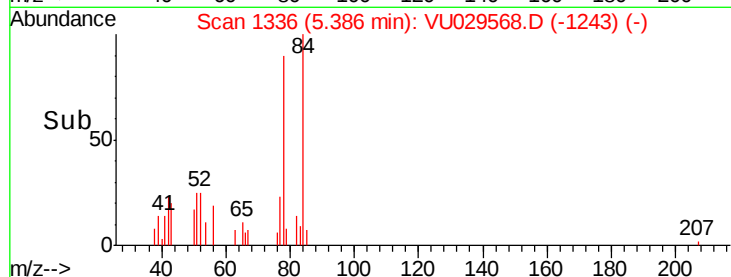
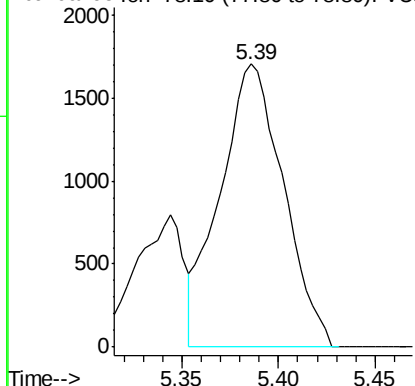
ClientSampled :

ESXC9

Tgt Ion: 78 Resp: 3883



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.563 ug/L

RT: 6.33 min Scan# 1629

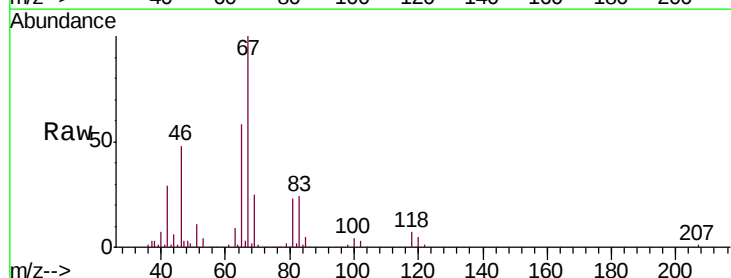
Delta R.T. -0.08 min

Lab File: VU029568.D

Acq: 19 Feb 2019 20:48

Tgt Ion: 83 Resp: 15722

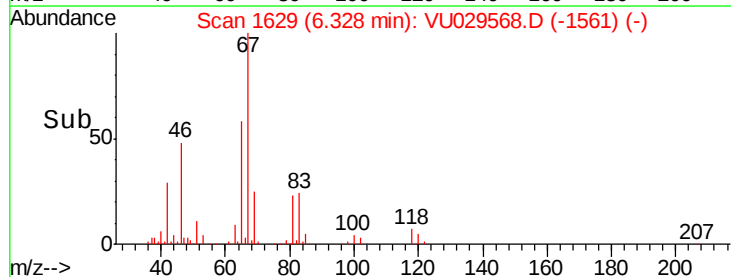
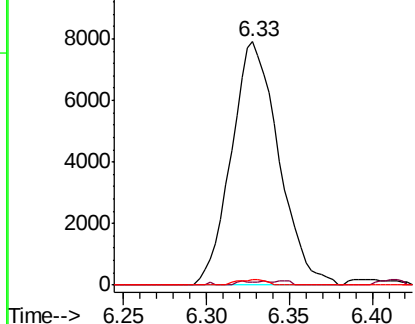
Ion	Ratio	Lower	Upper
83	100		
55	0.6	55.9	83.9#
98	1.3	38.6	57.8#

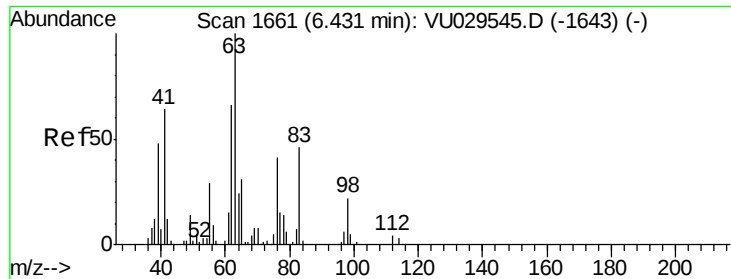


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

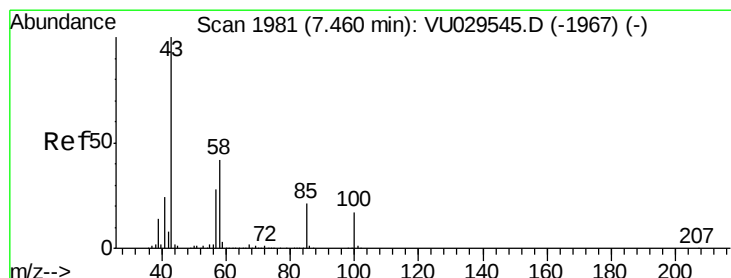
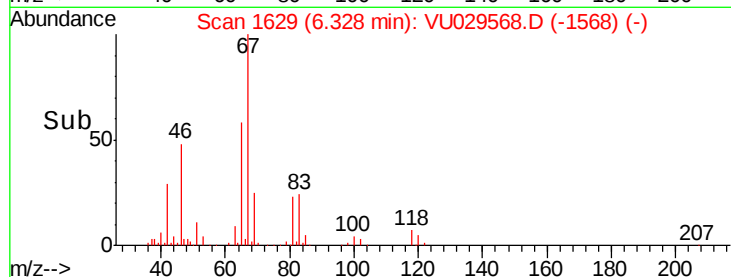
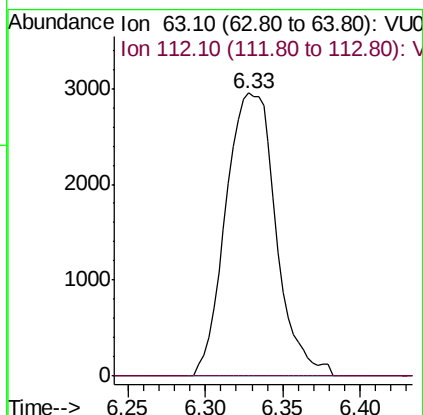
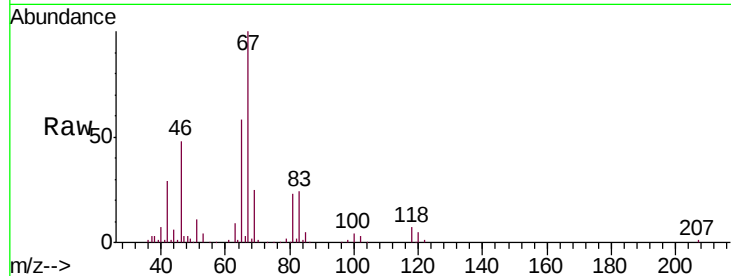




#37
 1,2-Dichloropropane
 Concen: 0.449 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029568.D
 Acq: 19 Feb 2019 20:48

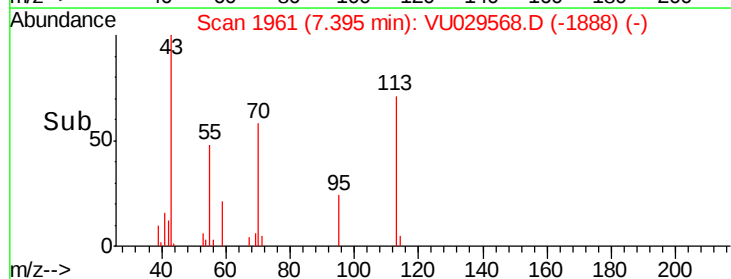
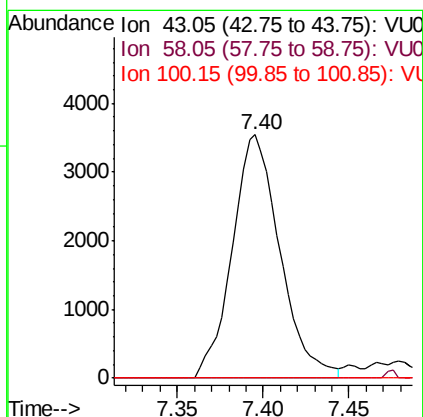
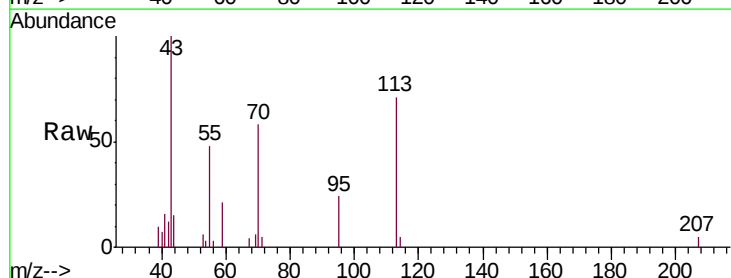
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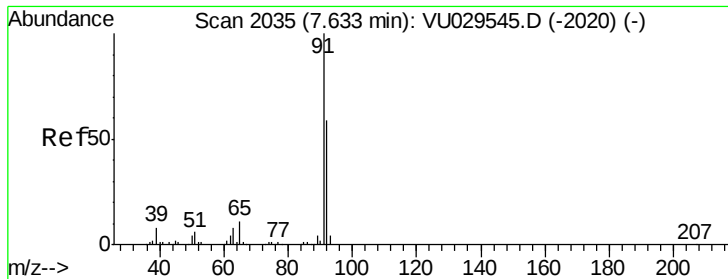
Tgt Ion: 63 Resp: 6645
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#40
 4-Methyl-2-pentanone
 Concen: 0.800 ug/L
 RT: 7.40 min Scan# 1961
 Delta R.T. -0.06 min
 Lab File: VU029568.D
 Acq: 19 Feb 2019 20:48

Tgt Ion: 43 Resp: 6819
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.4 50.2#
 100 0.0 14.4 21.6#





#42

Toluene

Concen: 0.052 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029568.D

Acq: 19 Feb 2019 20:48

Instrument :

MSVOA_U

ClientSampleId :

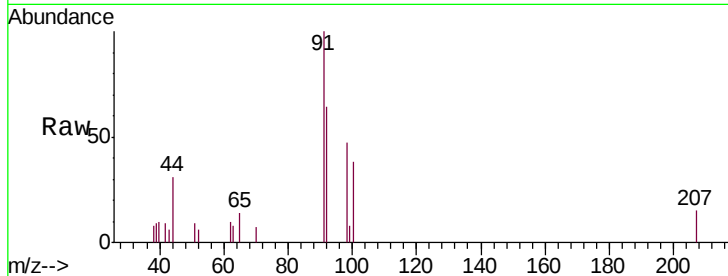
ESXC9

Tgt Ion: 91 Resp: 3434

Ion Ratio Lower Upper

91 100

92 63.8 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU029545.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU029545.D (-2020) (-)

7.64

1500

1000

500

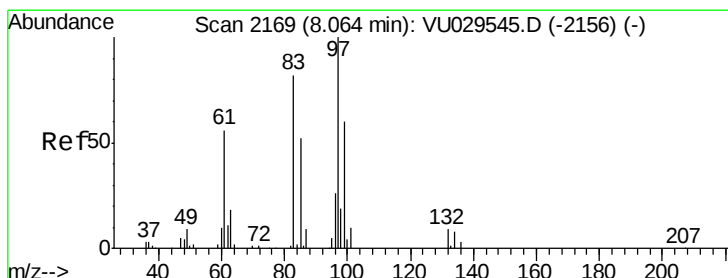
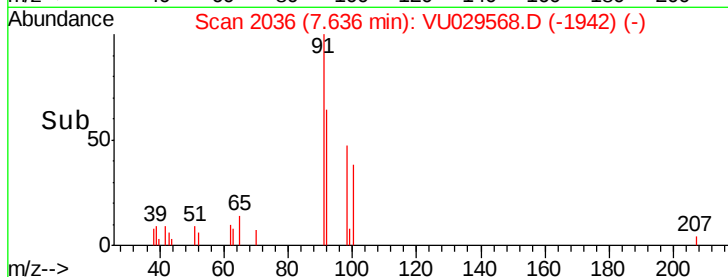
0

7.60

7.65

7.70

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.071 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. 0.11 min

Lab File: VU029568.D

Acq: 19 Feb 2019 20:48

Tgt Ion: 97 Resp: 809

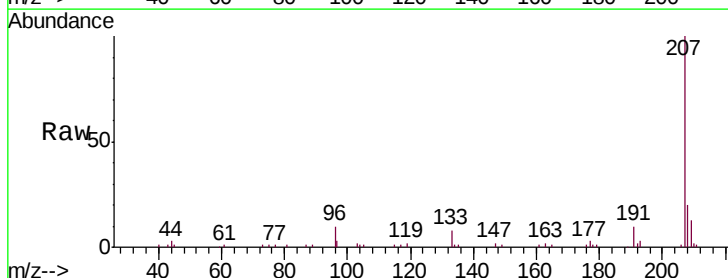
Ion Ratio Lower Upper

97 100

99 0.0 41.6 77.2#

83 0.0 55.8 103.6#

85 0.0 37.2 69.0#



Abundance Ion 96.95 (96.65 to 97.65): VU029545.D (-2156) (-)

Ion 99.05 (98.75 to 99.75): VU029545.D (-2156) (-)

Ion 82.95 (82.65 to 83.65): VU029545.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU029545.D (-2156) (-)

8.18

800

600

400

200

0

8.12

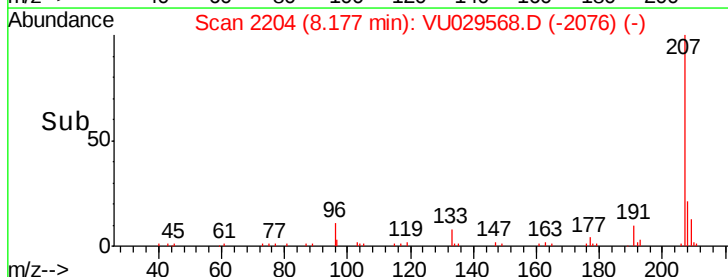
8.14

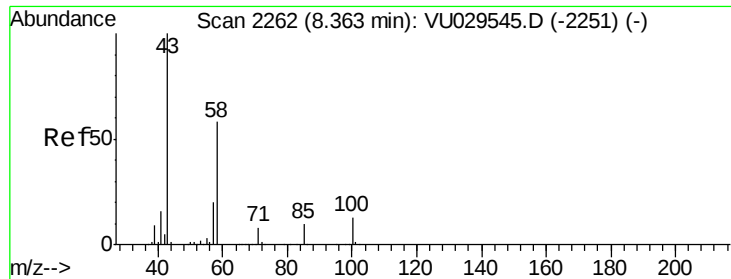
8.16

8.18

8.20

Time-->

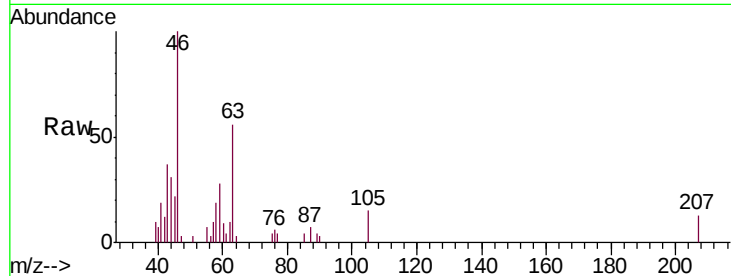




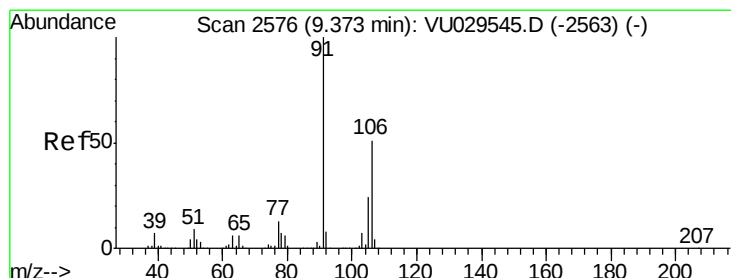
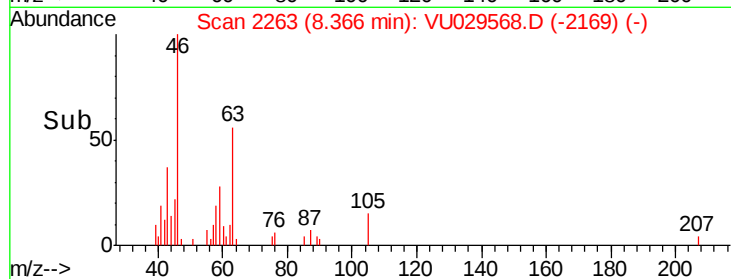
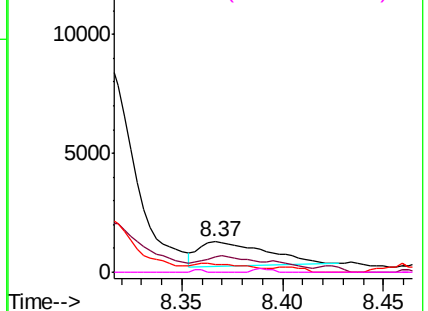
#48
2-Hexanone
Concen: 0.394 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029568.D
Acq: 19 Feb 2019 20:48

Instrument :
MSVOA_U
ClientSampleId :
ESXC9

Tgt Ion: 43 Resp: 2449
Ion Ratio Lower Upper
43 100
58 19.7 45.7 68.5#
57 28.3 16.4 24.6#
100 1.7 11.1 16.7#

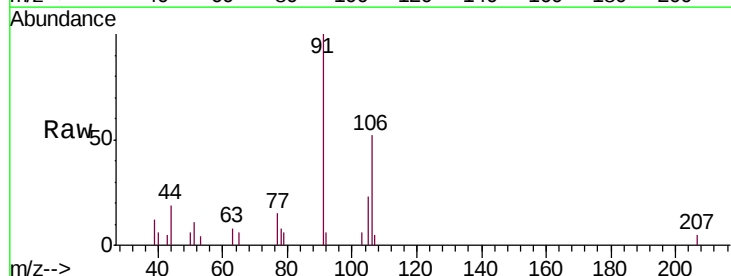


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

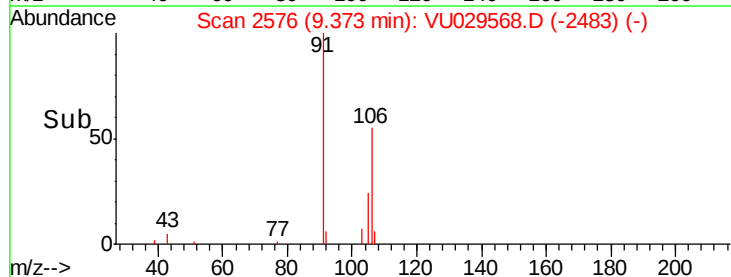
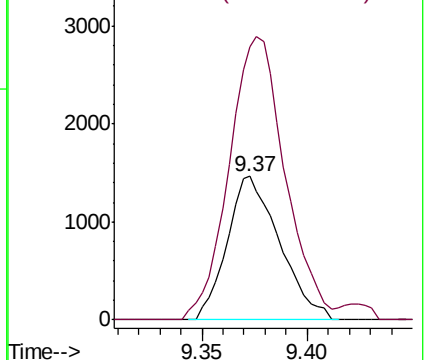


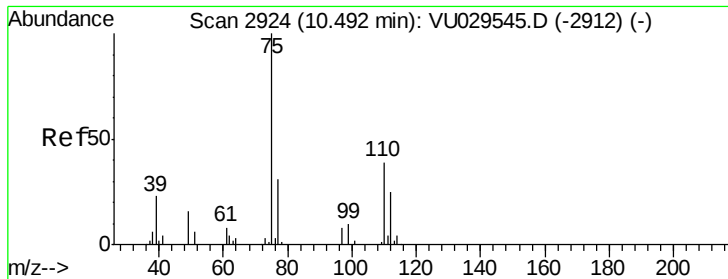
#53
m,p-xylene
Concen: 0.084 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029568.D
Acq: 19 Feb 2019 20:48

Tgt Ion: 106 Resp: 2527
Ion Ratio Lower Upper
106 100
91 190.7 135.7 251.9



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

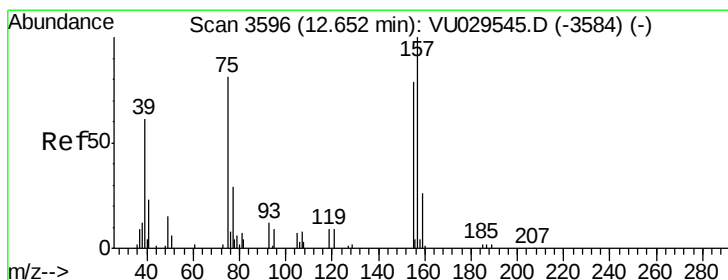
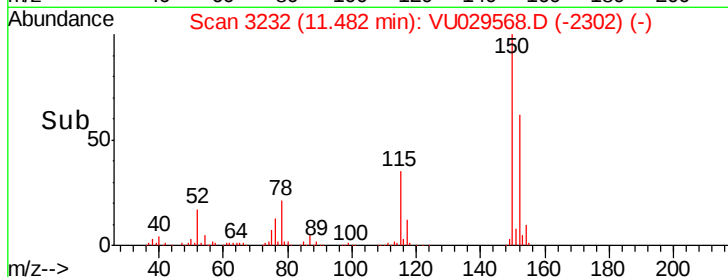
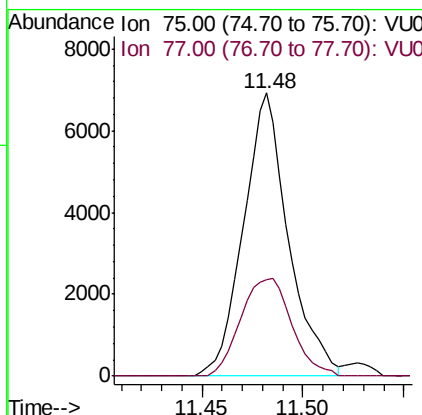
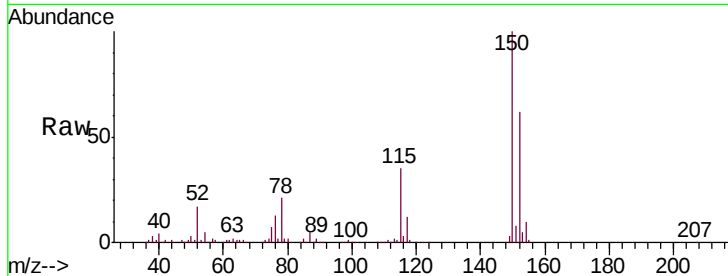




#59
 1,2,3-Trichloropropane
 Concen: 1.135 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU029568.D
 Acq: 19 Feb 2019 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXC9

Tgt Ion: 75 Resp: 10767
 Ion Ratio Lower Upper
 75 100
 77 39.3 28.2 42.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.491 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.17 min
 Lab File: VU029568.D
 Acq: 19 Feb 2019 20:48

Tgt Ion: 75 Resp: 1082
 Ion Ratio Lower Upper
 75 100
 155 0.0 75.3 112.9#
 157 0.0 103.0 154.4#

