

Data File : VU028829.D
Acq On : 20 Dec 2018 17:06
Operator : MD/SY
Sample : J6419-08ME
Misc : 4.95g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEZX5ME

Quant Time: Dec 21 03:57:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 03:50:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	231619	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	223711	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107876	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	125856	67.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	135.56%#
7) Chloroethane-d5	1.64	69	72110	50.28	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.56%
11) 1,1-Dichloroethene-d2	2.23	63	163101	52.23	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.46%
21) 2-Butanone-d5	4.19	46	214663	165.00	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	165.00%#
24) Chloroform-d	4.64	84	214447	73.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	146.88%#
26) 1,2-Dichloroethane-d4	5.30	65	134745	74.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	149.72%#
32) Benzene-d6	5.33	84	465136	73.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	147.20%#
36) 1,2-Dichloropropane-d6	6.32	67	164496	76.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	153.22%#
41) Toluene-d8	7.56	98	426356	74.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	148.88%#
43) trans-1,3-Dichloropropene-	7.85	79	74472	77.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	154.82%#
47) 2-Hexanone-d5	8.32	63	191504	187.80	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	187.80%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	258639	86.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	173.66%#
64) 1,2-Dichlorobenzene-d4	11.86	152	177429	81.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	162.64%#

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	3302	1.286 ug/L	94
9) Trichlorofluoromethane	2.23	101	1441	0.621 ug/L #	32
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	1441	0.960 ug/L #	20
12) 1,1-Dichloroethene	2.23	96	1231	0.829 ug/L #	1
33) Benzene	5.33	78	3220	0.452 ug/L	100
35) Methylcyclohexane	6.32	83	34449	12.029 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	15359	7.715 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	3881	1.367 ug/L #	58
40) 4-Methyl-2-pentanone	7.56	43	1628	0.608 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	2685	1.061 ug/L	96
45) 1,1,2-Trichloroethane	8.22	97	607	0.357 ug/L #	1
46) Tetrachloroethene	8.22	164	80622	60.880 ug/L	99
48) 2-Hexanone	8.32	43	19375	8.822 ug/L #	64
49) Dibromochloromethane	8.22	129	75656	44.621 ug/L #	11
53) m,p-Xylene	9.38	106	1378	0.480 ug/L	93
59) 1,2,3-Trichloropropane	11.48	75	13656	5.748 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Dec 21 03:50:07 2018
Response via : Initial Calibration

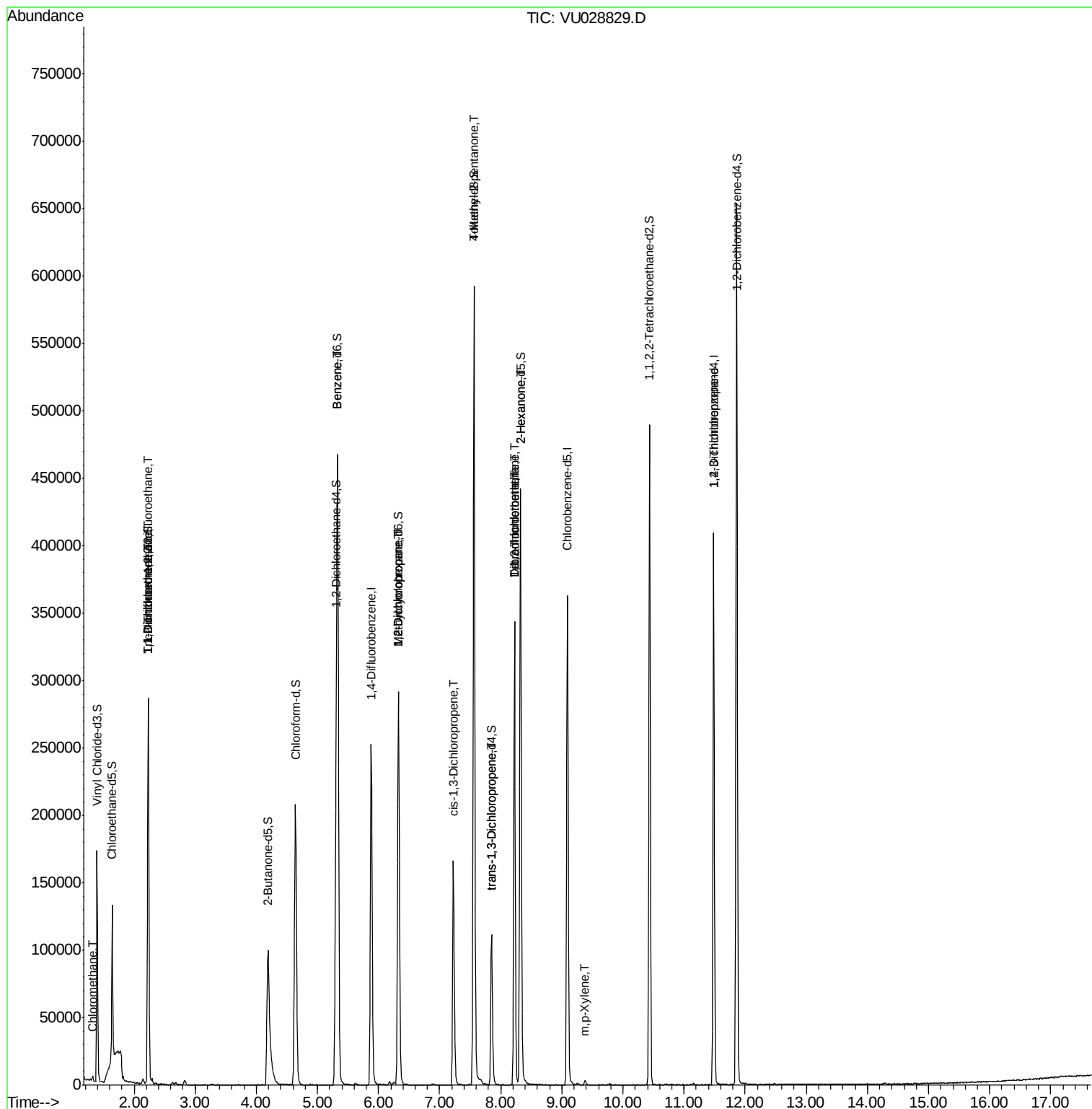
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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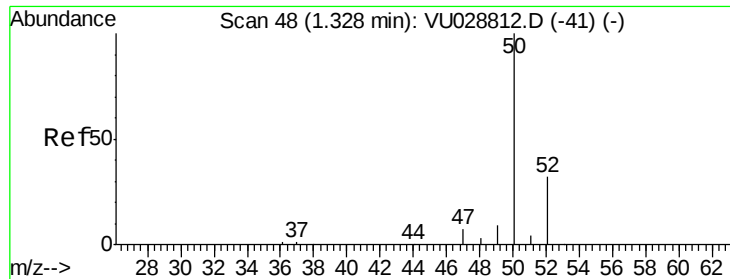
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 03:50:07 2018
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.286 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028829.D

Acq: 20 Dec 2018 17:06

Instrument :

MSVOA_U

ClientSampleId :

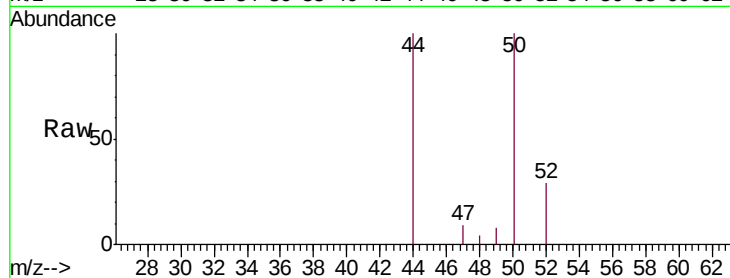
BEZX5ME

Tgt Ion: 50 Resp: 3302

Ion Ratio Lower Upper

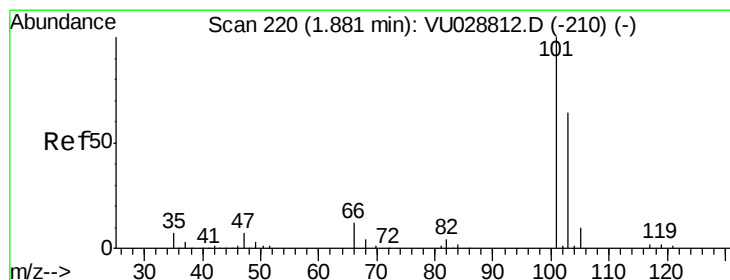
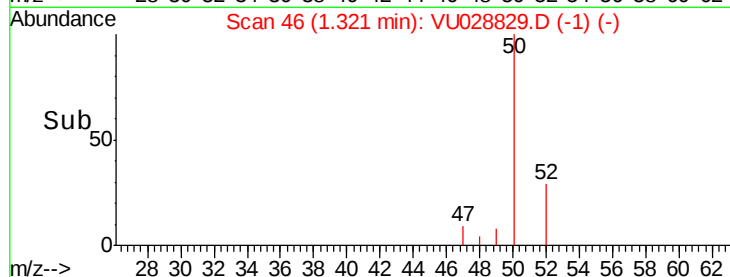
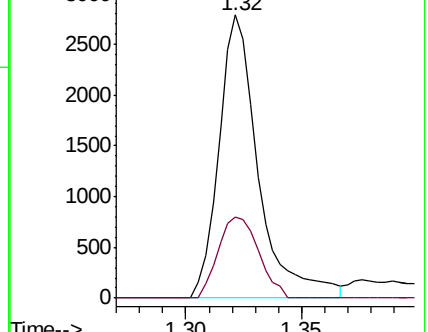
50 100

52 28.6 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU028829.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VU028829.D (-41) (-)



#9

Trichlorofluoromethane

Concen: 0.621 ug/L

RT: 2.23 min Scan# 330

Delta R.T. 0.35 min

Lab File: VU028829.D

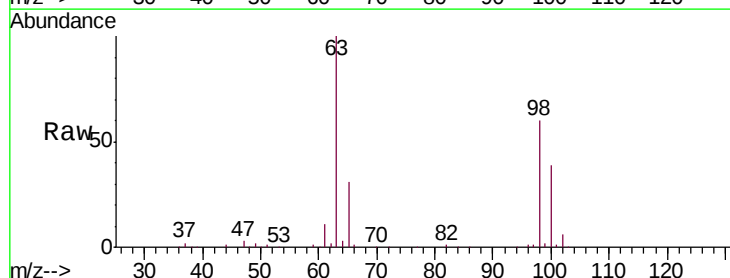
Acq: 20 Dec 2018 17:06

Tgt Ion: 101 Resp: 1441

Ion Ratio Lower Upper

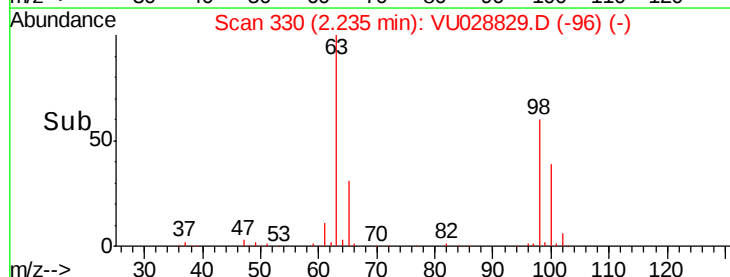
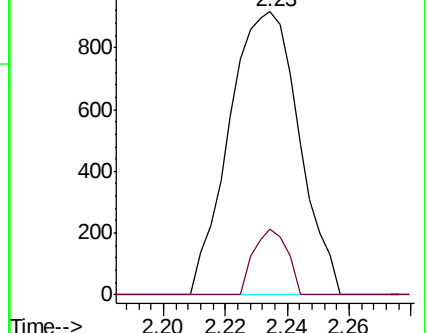
101 100

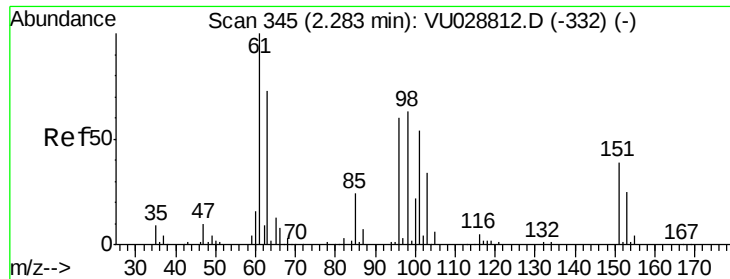
103 11.1 51.4 77.0#



Abundance Ion 101.00 (100.70 to 101.70): VU028829.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VU028829.D (-210) (-)





#10

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

Concen: 0.960 ug/L

RT: 2.23 min Scan# 330

Delta R.T. -0.05 min

Lab File: VU028829.D

Acq: 20 Dec 2018 17:06

Instrument :

MSVOA_U

ClientSampleId :

BEZX5ME

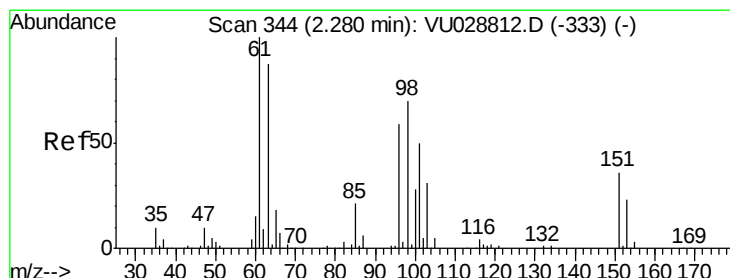
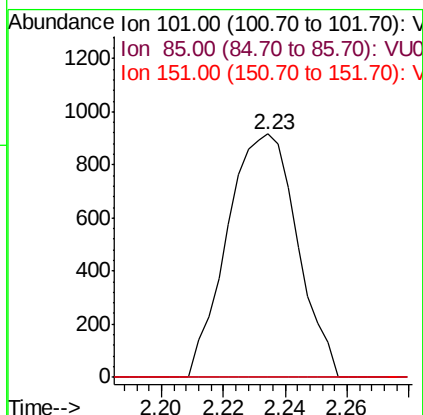
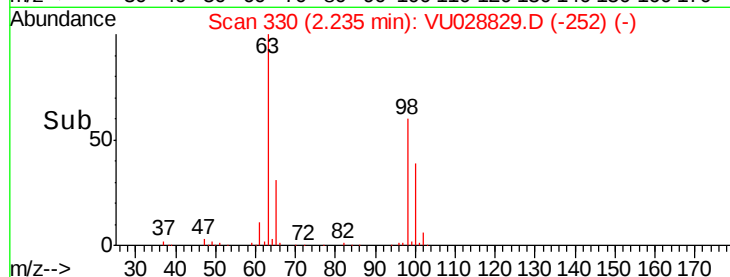
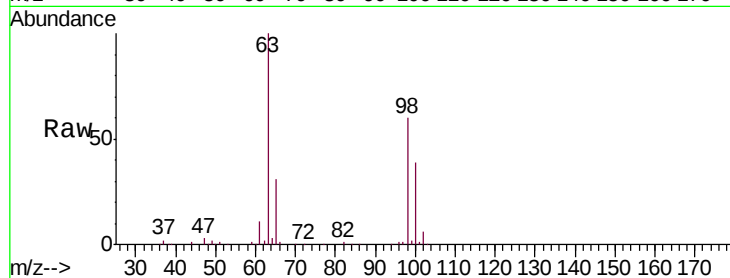
Tgt Ion:101 Resp: 1441

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 59.4 89.0#



#12

1,1-Dichloroethene

Concen: 0.829 ug/L

RT: 2.23 min Scan# 330

Delta R.T. -0.04 min

Lab File: VU028829.D

Acq: 20 Dec 2018 17:06

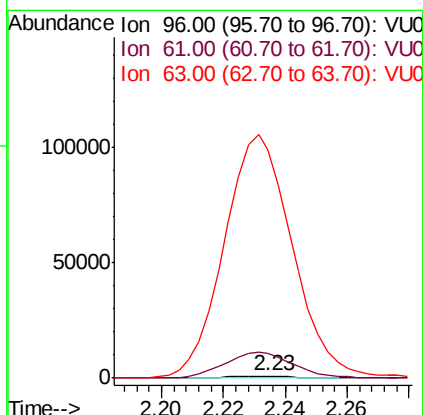
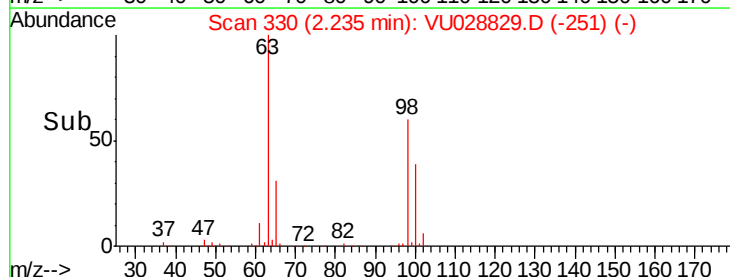
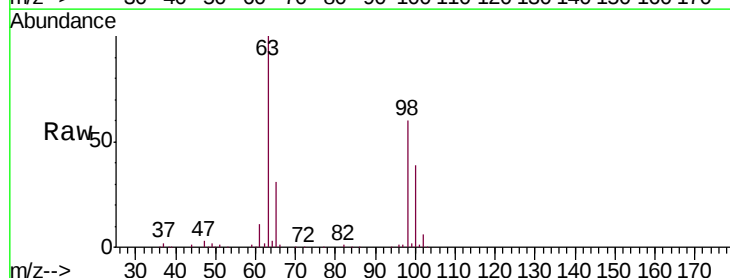
Tgt Ion: 96 Resp: 1231

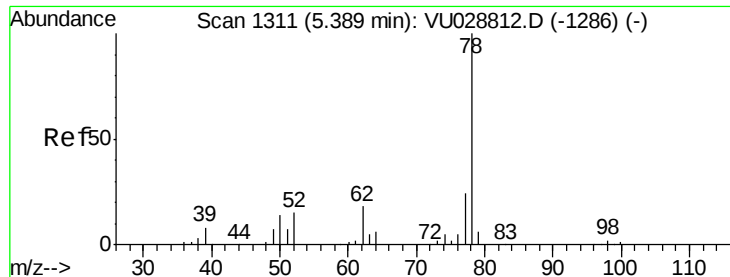
Ion Ratio Lower Upper

96 100

61 1405.6 119.3 221.5#

63 12896.0 107.4 199.6#





#33

Benzene

Concen: 0.452 ug/L

RT: 5.33 min Scan# 1294

Delta R.T. -0.05 min

Lab File: VU028829.D

Acq: 20 Dec 2018 17:06

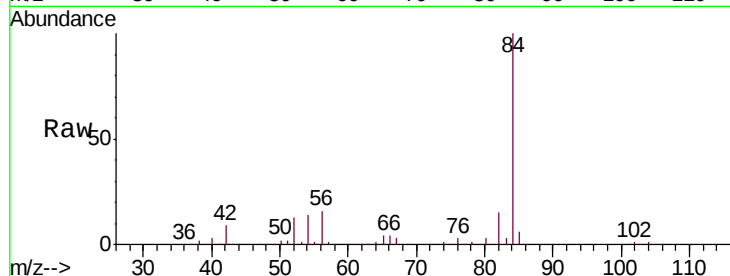
Instrument :

MSVOA_U

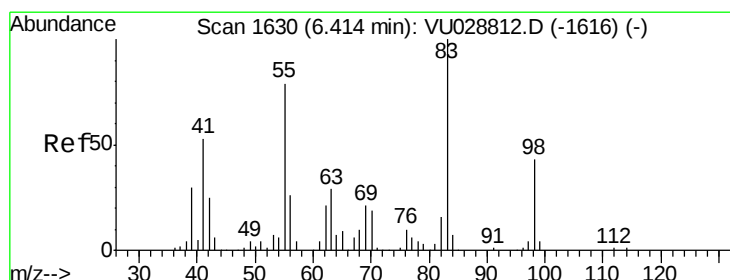
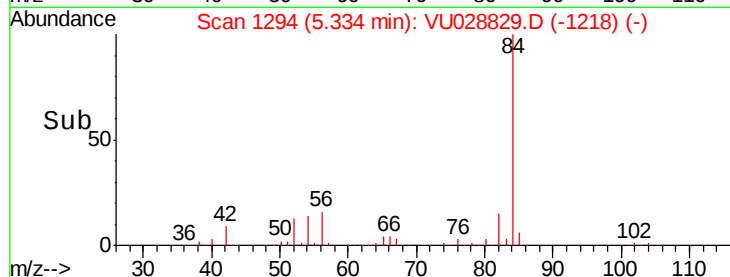
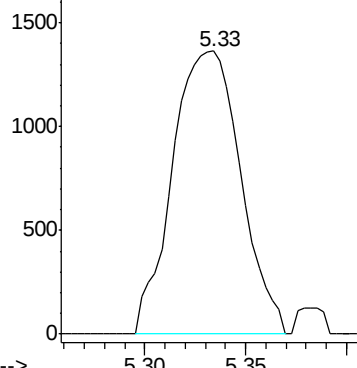
ClientSampleId :

BEZX5ME

Tgt Ion: 78 Resp: 3220



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 12.029 ug/L

RT: 6.32 min Scan# 1602

Delta R.T. -0.09 min

Lab File: VU028829.D

Acq: 20 Dec 2018 17:06

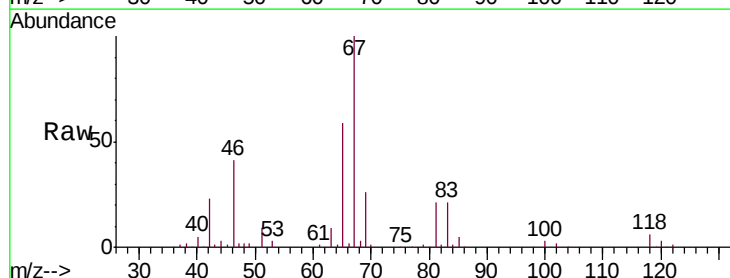
Tgt Ion: 83 Resp: 34449

Ion Ratio Lower Upper

83 100

55 0.2 63.7 95.5#

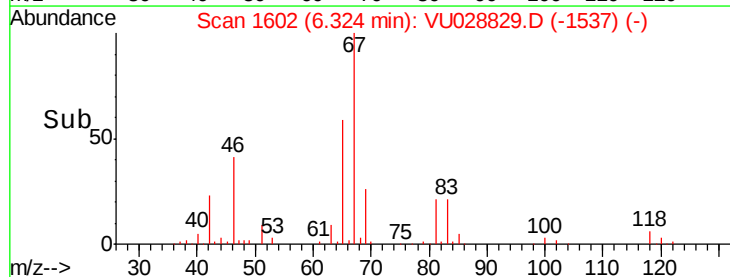
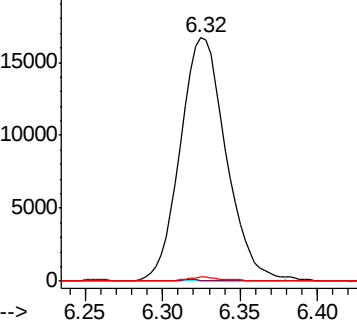
98 1.1 35.6 53.4#

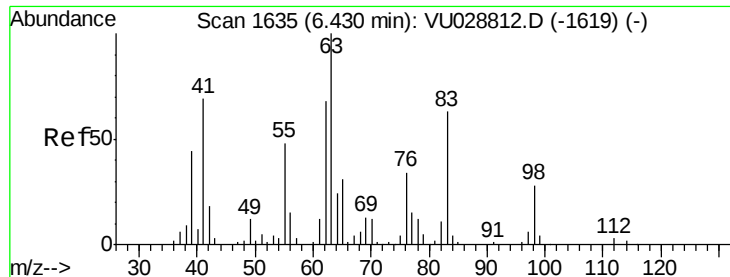


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 7.715 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028829.D

Acq: 20 Dec 2018 17:06

Instrument :

MSVOA_U

ClientSampleId :

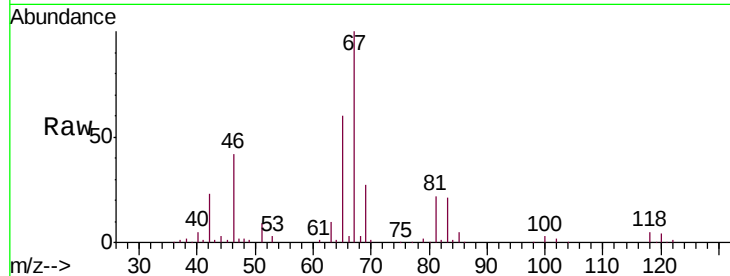
BEZX5ME

Tgt Ion: 63 Resp: 15359

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

6.33

8000

6000

4000

2000

0

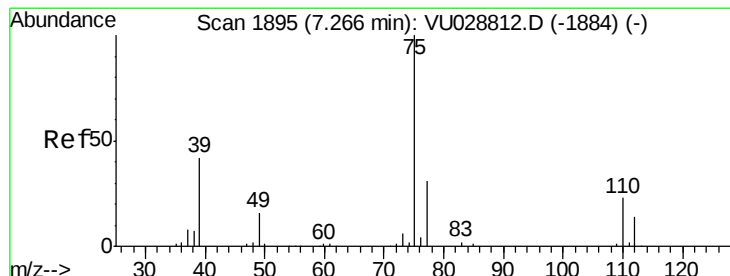
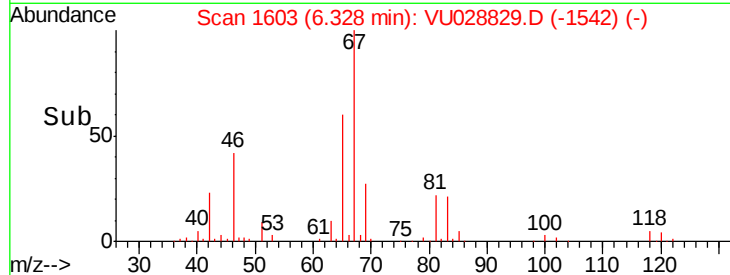
6.25

6.30

6.35

6.40

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.367 ug/L

RT: 7.22 min Scan# 1882

Delta R.T. -0.04 min

Lab File: VU028829.D

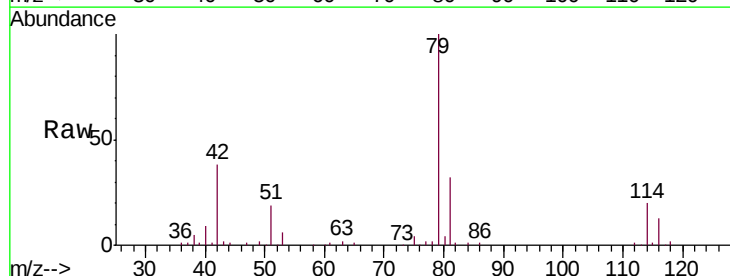
Acq: 20 Dec 2018 17:06

Tgt Ion: 75 Resp: 3881

Ion Ratio Lower Upper

75 100

77 54.1 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

2500

2000

1500

1000

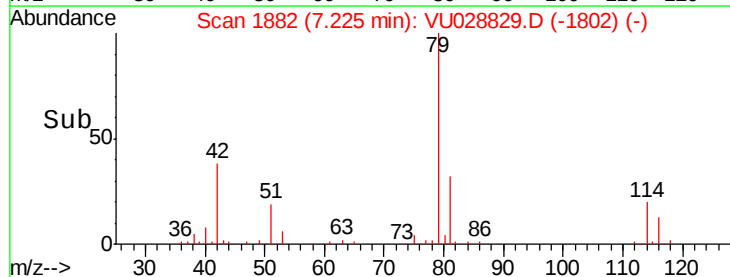
500

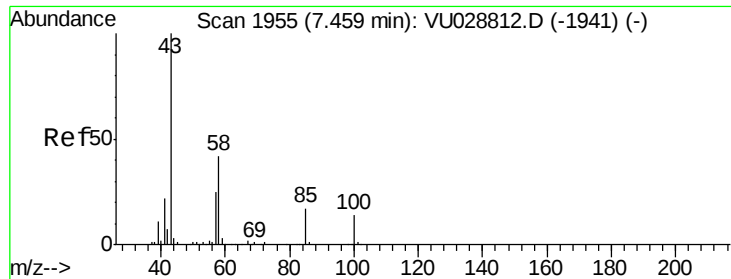
0

7.20

7.25

Time-->

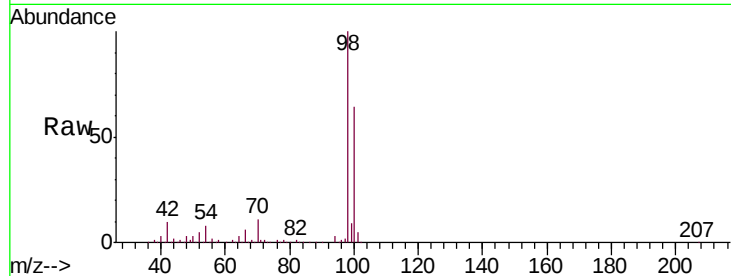




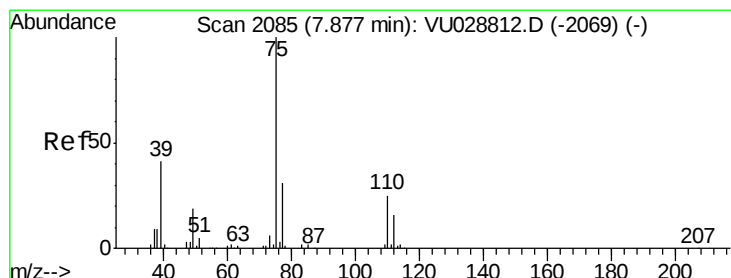
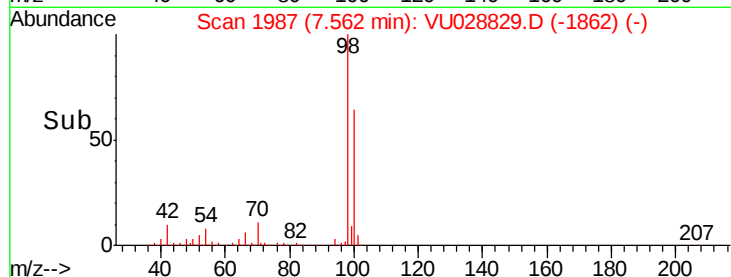
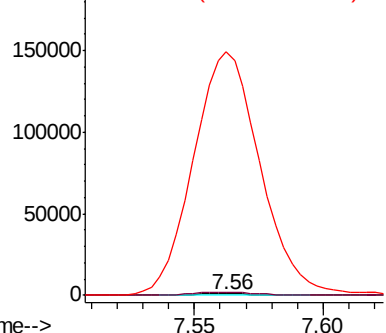
#40
 4-Methyl-2-pentanone
 Concen: 0.608 ug/L
 RT: 7.56 min Scan# 1987
 Delta R.T. 0.10 min
 Lab File: VU028829.D
 Acq: 20 Dec 2018 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BEZX5ME

Tgt Ion: 43 Resp: 1628
 Ion Ratio Lower Upper
 43 100
 58 219.1 33.1 49.7#
 100 16774.9 11.5 17.3#

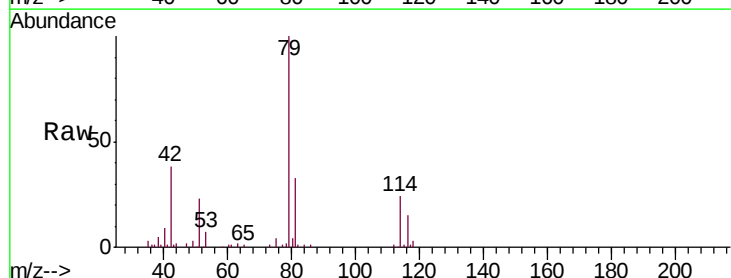


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

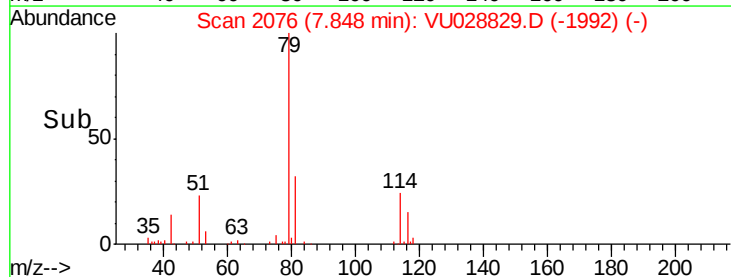
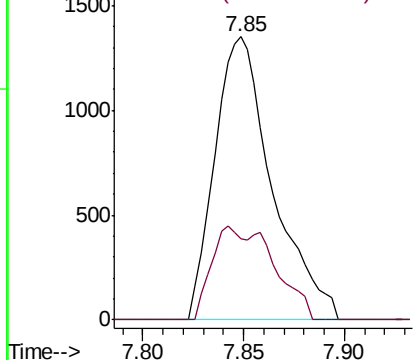


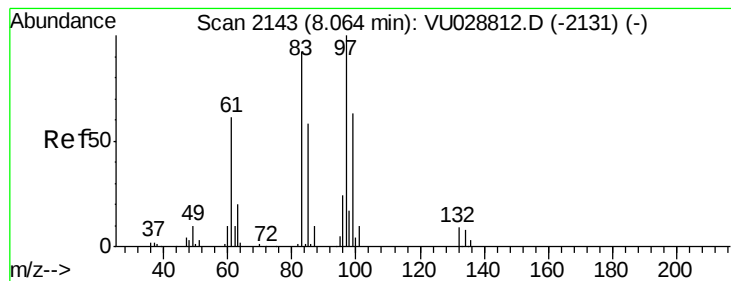
#44
 trans-1,3-Dichloropropene
 Concen: 1.061 ug/L
 RT: 7.85 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: VU028829.D
 Acq: 20 Dec 2018 17:06

Tgt Ion: 75 Resp: 2685
 Ion Ratio Lower Upper
 75 100
 77 28.8 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 0.357 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. 0.16 min

Lab File: VU028829.D

Acq: 20 Dec 2018 17:06

Instrument :

MSVOA_U

ClientSampleId :

BEZX5ME

Tgt Ion: 97 Resp: 607

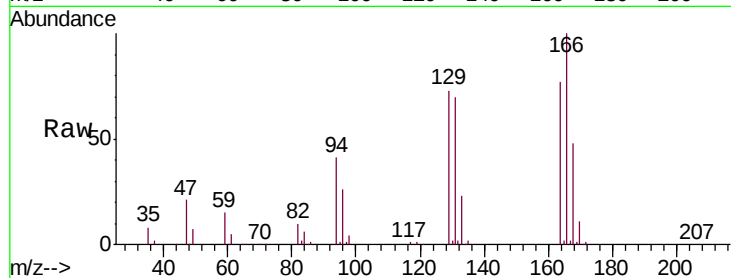
Ion Ratio Lower Upper

97 100

99 0.0 44.2 82.2#

83 324.7 64.5 119.9#

85 57.1 40.9 75.9

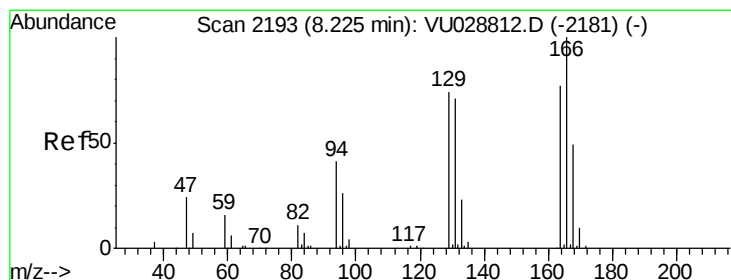
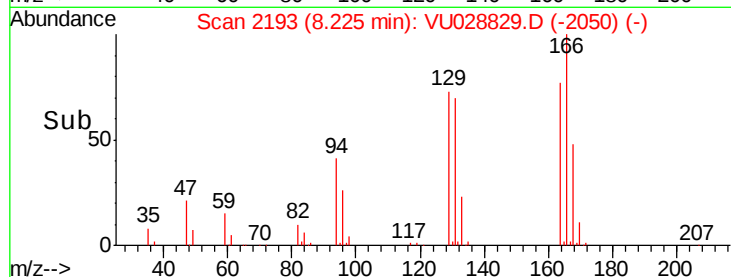
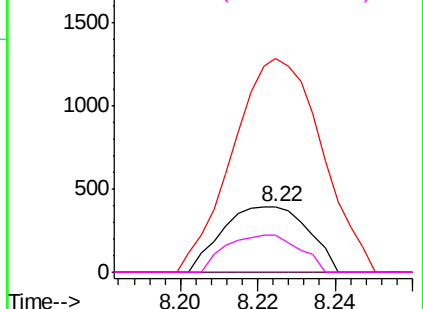


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 60.880 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU028829.D

Acq: 20 Dec 2018 17:06

Tgt Ion: 164 Resp: 80622

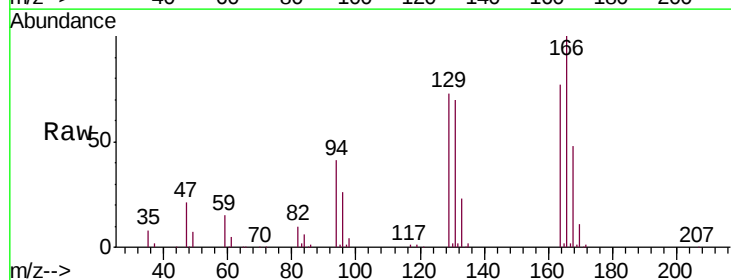
Ion Ratio Lower Upper

164 100

129 94.1 66.8 124.0

131 90.1 64.2 119.2

166 129.1 90.8 168.6

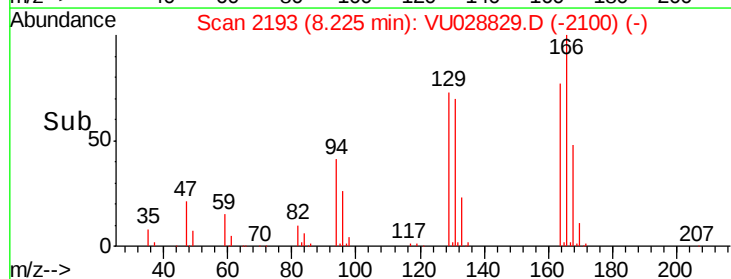
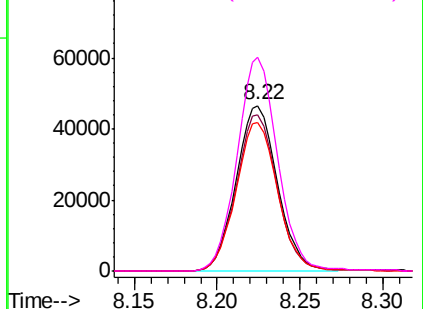


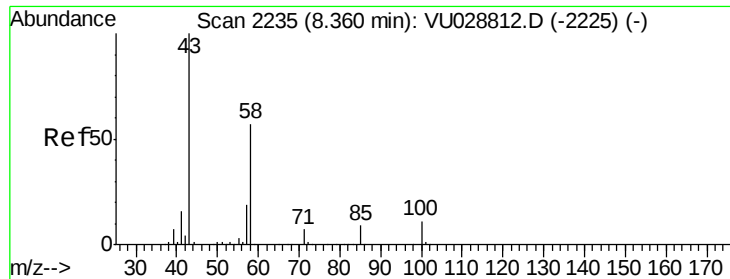
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

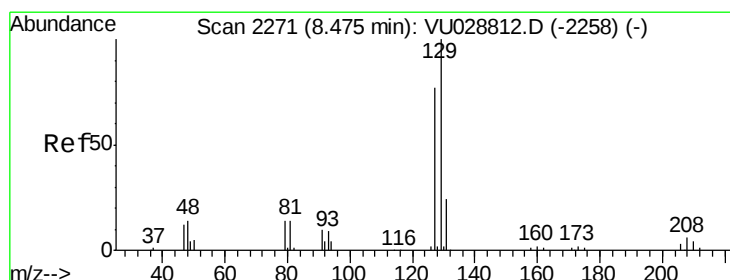
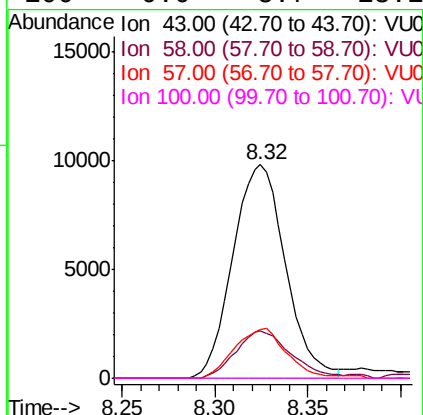
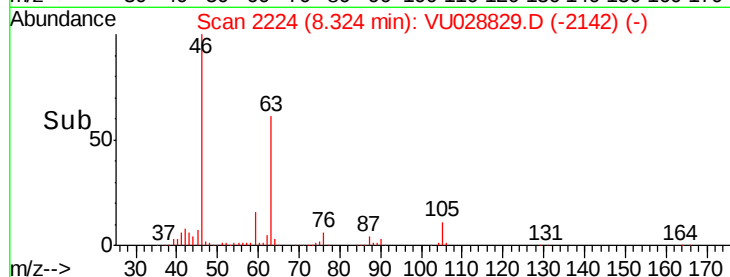
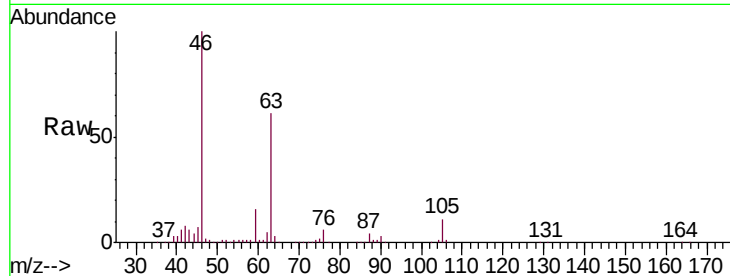




#48
2-Hexanone
Concen: 8.822 ug/L
RT: 8.32 min Scan# 2224
Delta R.T. -0.04 min
Lab File: VU028829.D
Acq: 20 Dec 2018 17:06

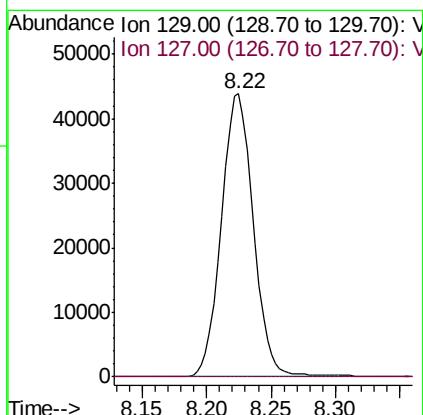
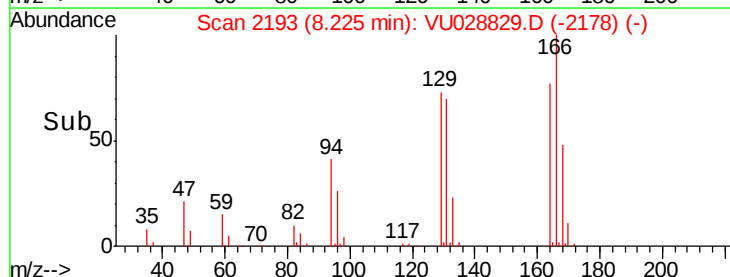
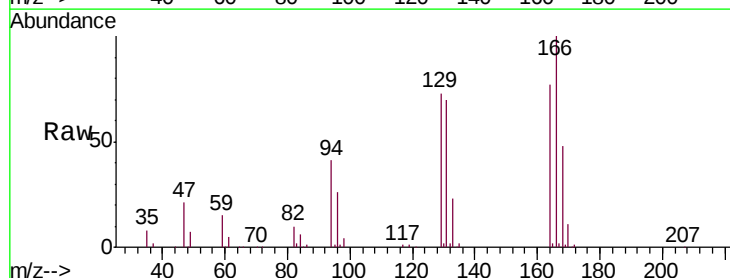
Instrument :
MSVOA_U
ClientSampleId :
BEZX5ME

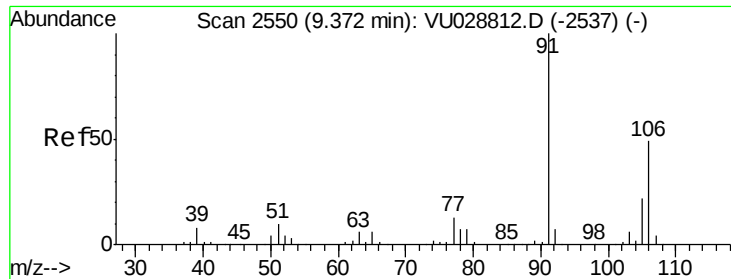
Tgt Ion: 43 Resp: 19375
Ion Ratio Lower Upper
43 100
58 23.4 45.9 68.9#
57 23.1 15.0 22.4#
100 0.0 8.7 13.1#



#49
Dibromochloromethane
Concen: 44.621 ug/L
RT: 8.22 min Scan# 2193
Delta R.T. -0.25 min
Lab File: VU028829.D
Acq: 20 Dec 2018 17:06

Tgt Ion: 129 Resp: 75656
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#

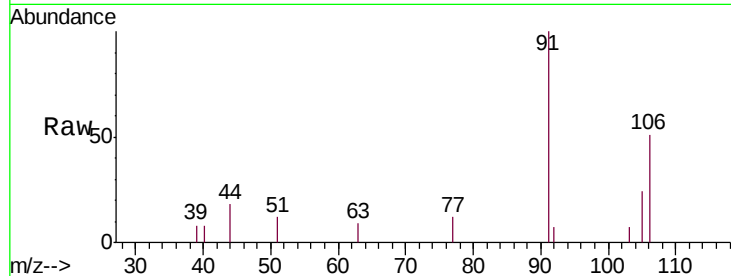




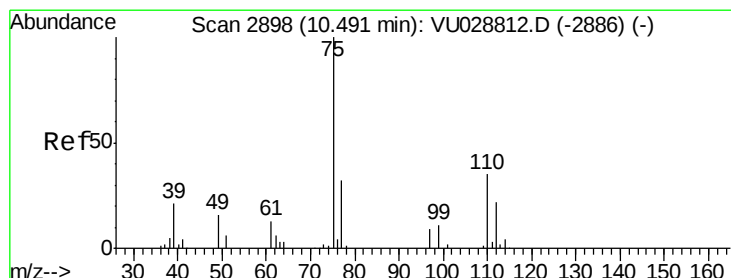
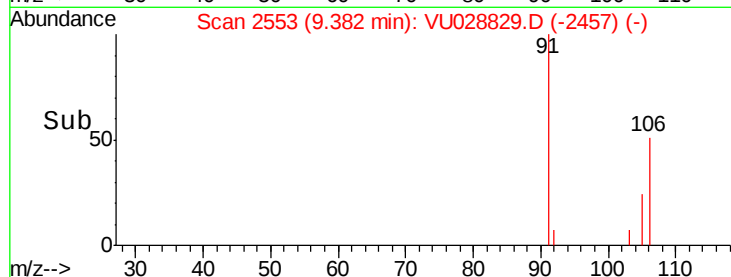
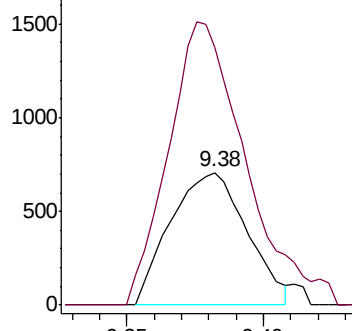
#53
 m,p-Xylene
 Concen: 0.480 ug/L
 RT: 9.38 min Scan# 2553
 Delta R.T. 0.01 min
 Lab File: VU028829.D
 Acq: 20 Dec 2018 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BEZX5ME

Tgt Ion: 106 Resp: 1378
 Ion Ratio Lower Upper
 106 100
 91 194.8 144.1 267.5

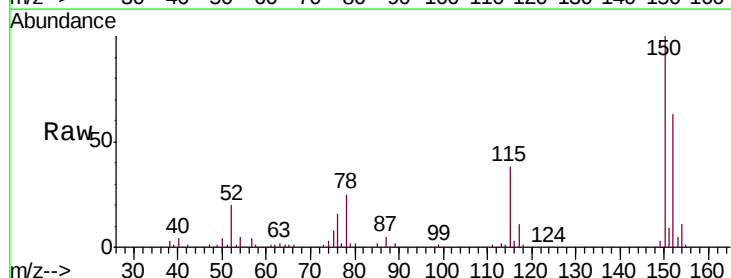


Abundance Ion 106.00 (105.70 to 106.70): VU028829.D (-2553) (-)
 Ion 91.00 (90.70 to 91.70): VU028829.D (-2553) (-)



#59
 1,2,3-Trichloropropane
 Concen: 5.748 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU028829.D
 Acq: 20 Dec 2018 17:06

Tgt Ion: 75 Resp: 13656
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU028829.D (-3207) (-)
 Ion 77.00 (76.70 to 77.70): VU028829.D (-3207) (-)

