

Data File : VU029578.D
Acq On : 20 Feb 2019 14:15
Operator : JC/SP
Sample : K1488-14DL 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXFODL

Quant Time: Feb 21 04:26:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 21 04:23:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	200097	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	195898	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	101952	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51556	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.68	69	49350	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	2.27	63	84489	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	4.19	46	167167	59.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.60%
24) Chloroform-d	4.64	84	95426	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.31	65	60161	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.34	84	218420	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.33	67	70417	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.56	98	202133	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	7.85	79	25649	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.31	63	162994	56.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.88%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	65413	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	93618	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	182401	9.465	ug/L	98
6) Bromomethane	1.63	94	565	0.050	ug/L #	67
8) Chloroethane	1.54	64	3505	0.279	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	894	0.051	ug/L #	16
12) 1,1-Dichloroethene	2.28	96	1611	0.098	ug/L #	1
16) Methylene chloride	2.70	84	4633	0.250	ug/L	97
18) trans-1,2-Dichloroethene	2.98	96	1251	0.071	ug/L	71
22) cis-1,2-Dichloroethene	4.22	96	134155	8.306	ug/L	97
25) Chloroform	4.67	83	14161	0.535	ug/L	89
34) Trichloroethene	6.18	95	2621	0.162	ug/L	92
35) Methylcyclohexane	6.33	83	16749	0.614	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7392	0.512	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	1578	0.069	ug/L #	70
47) Tetrachloroethene	8.22	164	14960	1.007	ug/L	97
48) 2-Hexanone	8.31	43	17453	2.876	ug/L #	66
49) Dibromochloromethane	8.22	129	12802	0.859	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9855	1.064	ug/L	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022019\
Quantitation Report (Not Reviewed)

Data File : VU029578.D
Acq On : 20 Feb 2019 14:15
Operator : JC/SP
Sample : K1488-14DL 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXF0DL

Quant Time: Feb 21 04:26:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 21 04:23:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.48	75	997	0.468	ug/L #	1

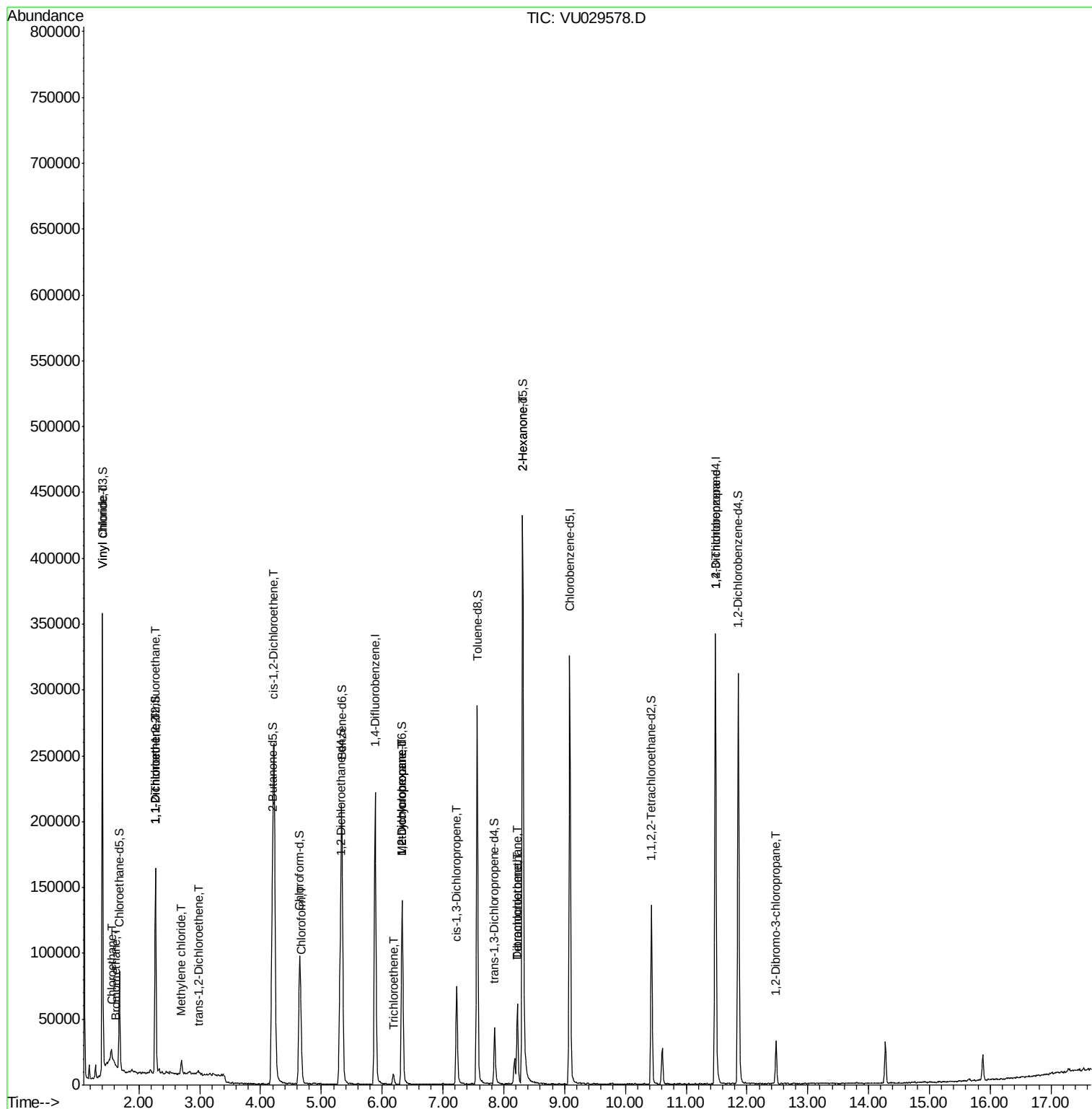
(#) = qualifier out of range (m) = manual integration (+) = signals summed

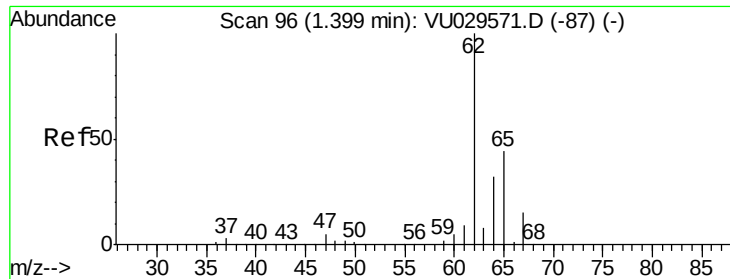
Data File : VU029578.D

```
Acq On       : 20 Feb 2019   14:15
Operator     : JC/SP
Sample       : K1488-14DL 40X
Misc         : 25.0mL/MSV0A_U/WATER
ALS Vial     : 9      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
ESXF0DL

Quant Time: Feb 21 04:26:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 21 04:23:07 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.465 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029578.D

Acq: 20 Feb 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

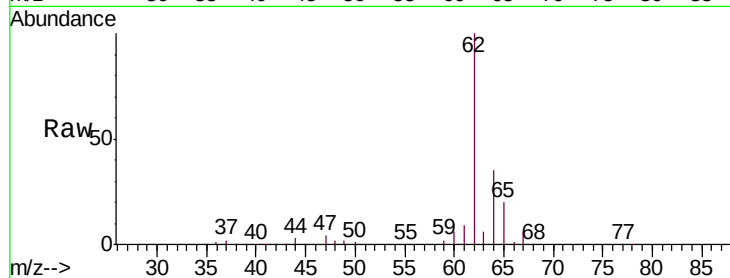
ESXF0DL

Tgt Ion: 62 Resp: 182401

Ion Ratio Lower Upper

62 100

64 34.5 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

200000

150000

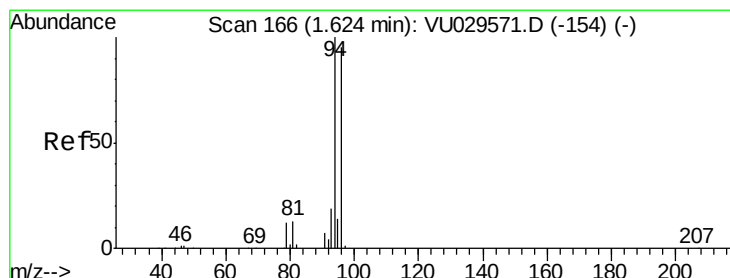
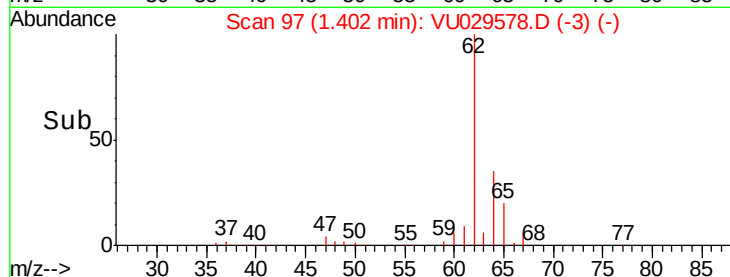
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 0.050 ug/L

RT: 1.63 min Scan# 169

Delta R.T. 0.01 min

Lab File: VU029578.D

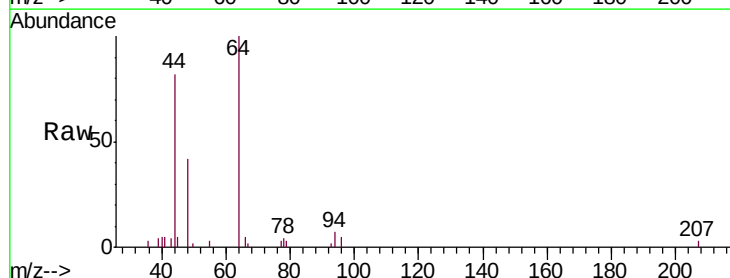
Acq: 20 Feb 2019 14:15

Tgt Ion: 94 Resp: 565

Ion Ratio Lower Upper

94 100

96 61.8 65.2 121.0#



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

400

300

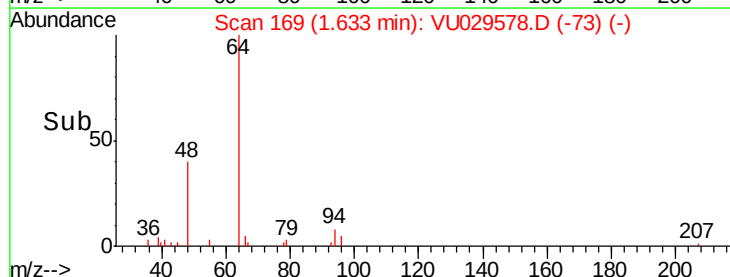
200

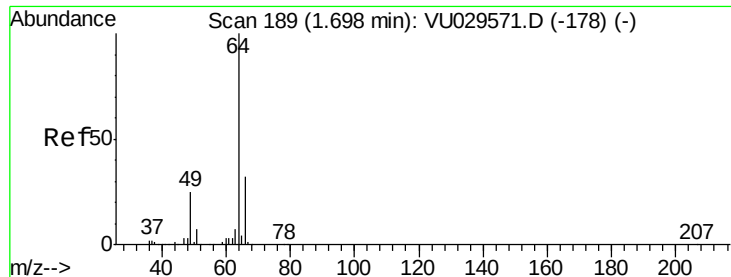
100

0

1.60 1.62 1.64 1.66 1.68

Time-->





#8

Chloroethane

Concen: 0.279 ug/L

RT: 1.54 min Scan# 140

Delta R.T. -0.16 min

Lab File: VU029578.D

Acq: 20 Feb 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

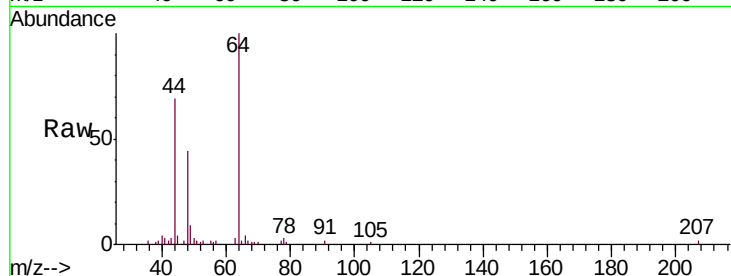
ESXF0DL

Tgt Ion: 64 Resp: 3505

Ion Ratio Lower Upper

64 100

66 4.3 22.0 40.8#

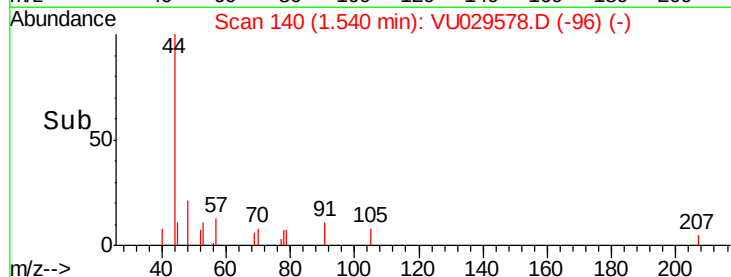


Abundance Ion 64.10 (63.80 to 64.80): VU029571.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU029571.D (-178) (-)

1.54

Time-->

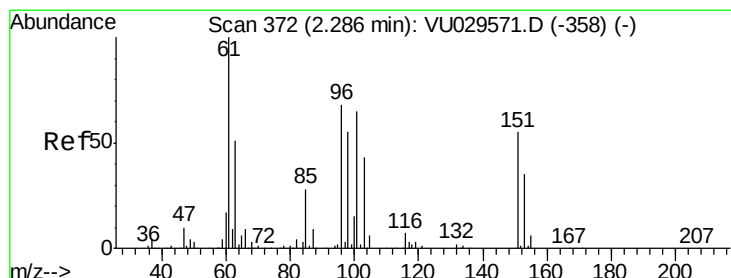


Abundance Ion 64.10 (63.80 to 64.80): VU029571.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU029571.D (-178) (-)

1.54

Time-->



#10

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

Concen: 0.051 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VU029578.D

Acq: 20 Feb 2019 14:15

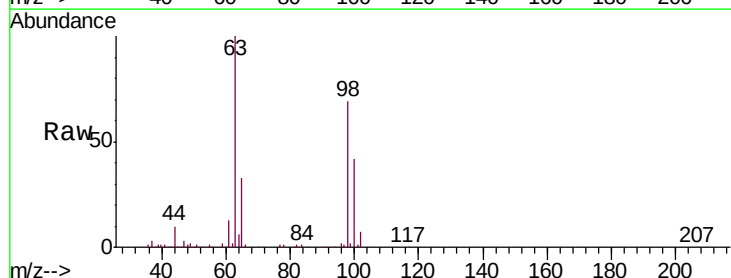
Tgt Ion: 101 Resp: 894

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 67.0 100.6#



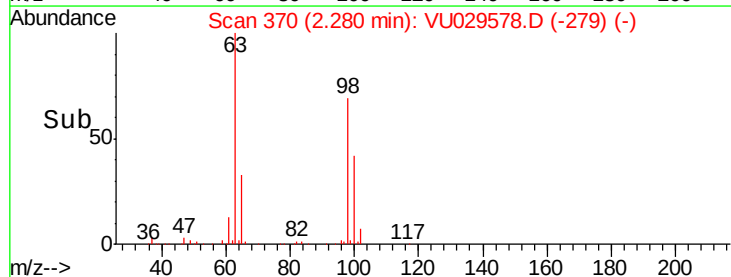
Abundance Ion 101.00 (100.70 to 101.70): VU029571.D (-358) (-)

Ion 85.00 (84.70 to 85.70): VU029571.D (-358) (-)

Ion 151.00 (150.70 to 151.70): VU029571.D (-358) (-)

2.28

Time-->



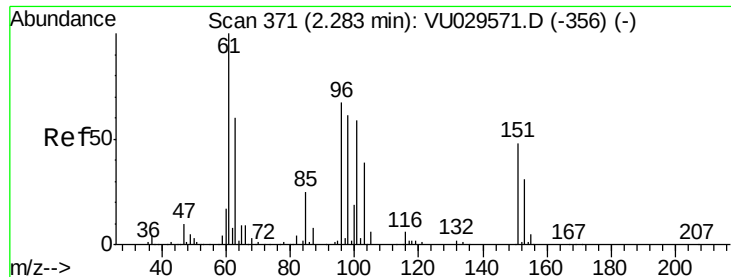
Abundance Ion 101.00 (100.70 to 101.70): VU029571.D (-358) (-)

Ion 85.00 (84.70 to 85.70): VU029571.D (-358) (-)

Ion 151.00 (150.70 to 151.70): VU029571.D (-358) (-)

2.28

Time-->



#12

1,1-Dichloroethene

Concen: 0.098 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029578.D

Acq: 20 Feb 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

ESXF0DL

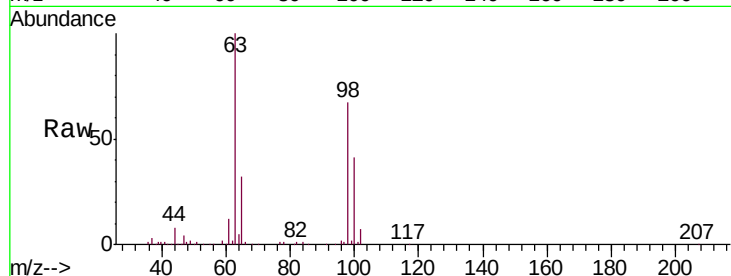
Tgt Ion: 96 Resp: 1611

Ion Ratio Lower Upper

96 100

61 691.7 115.1 213.7#

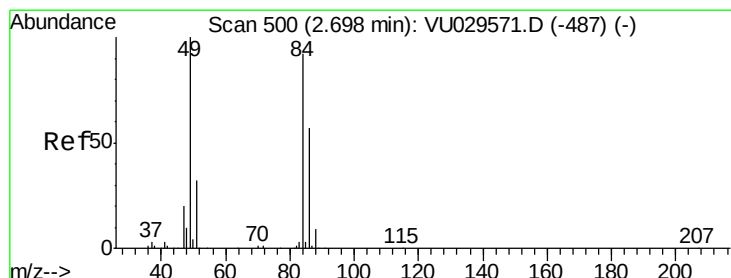
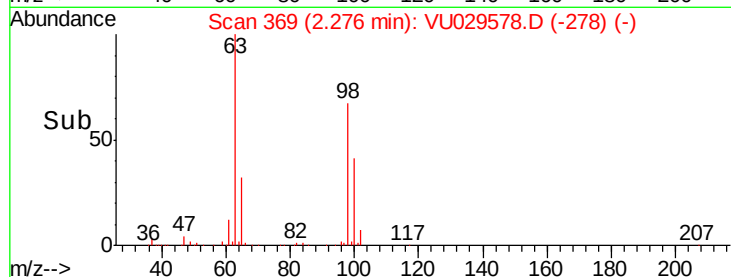
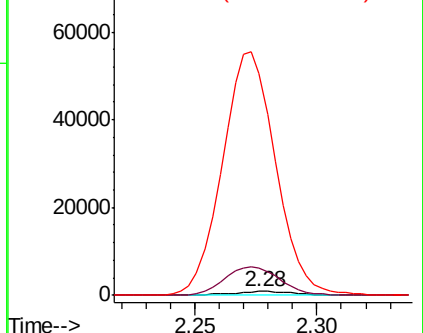
63 5590.3 83.5 155.1#



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



#16

Methylene chloride

Concen: 0.250 ug/L

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU029578.D

Acq: 20 Feb 2019 14:15

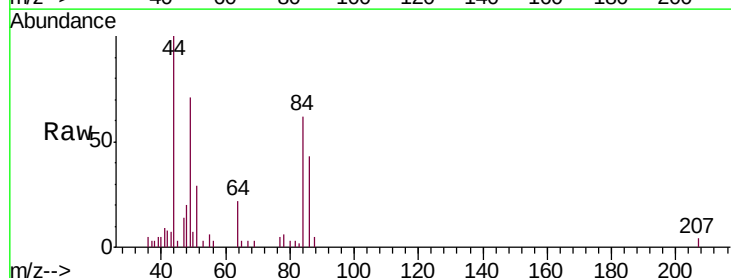
Tgt Ion: 84 Resp: 4633

Ion Ratio Lower Upper

84 100

86 68.1 45.1 83.9

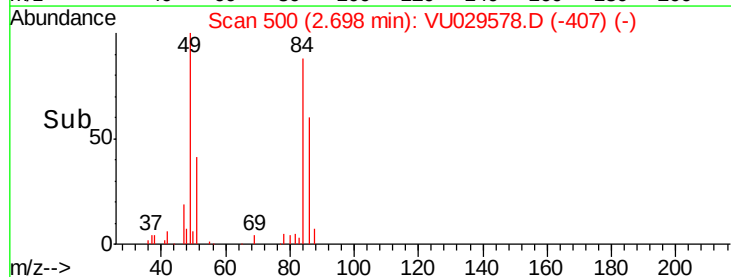
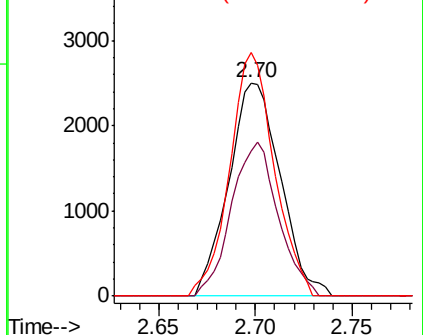
49 114.1 81.8 151.8

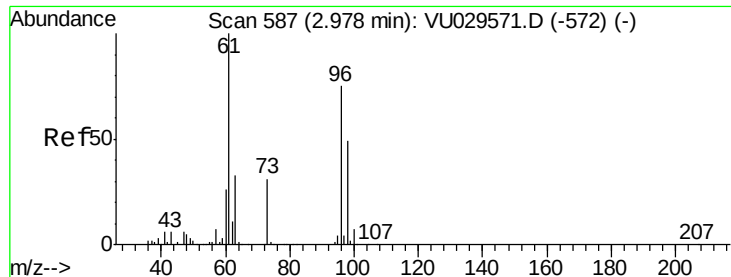


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.071 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029578.D

Acq: 20 Feb 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

ESXF0DL

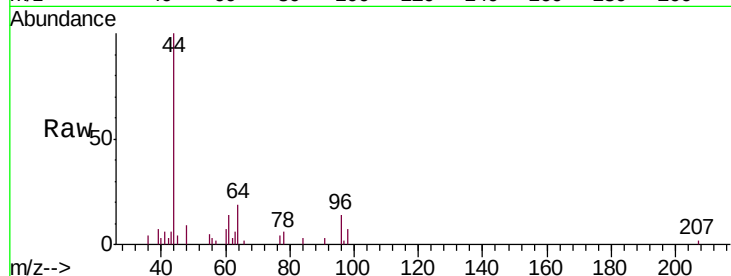
Tgt Ion: 96 Resp: 1251

Ion Ratio Lower Upper

96 100

61 96.0 95.4 177.2

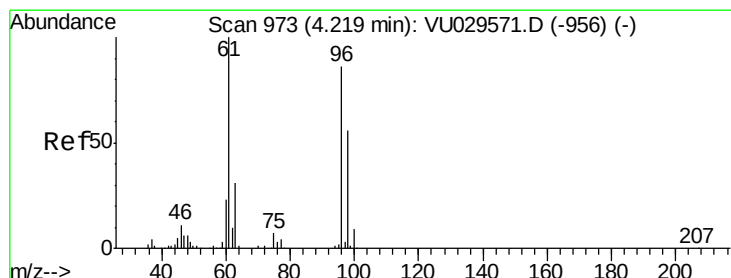
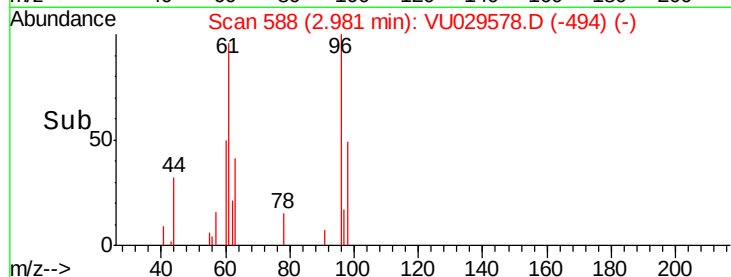
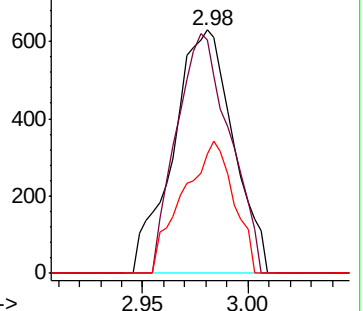
98 49.2 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 8.306 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029578.D

Acq: 20 Feb 2019 14:15

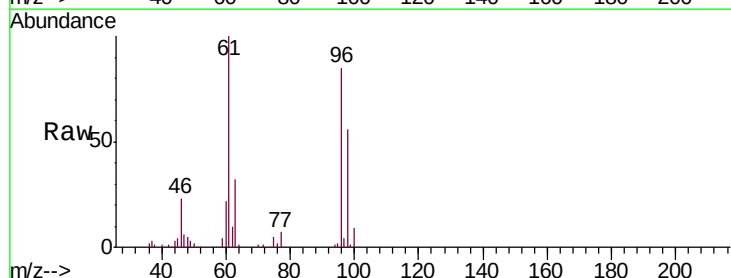
Tgt Ion: 96 Resp: 134155

Ion Ratio Lower Upper

96 100

61 117.7 79.9 148.5

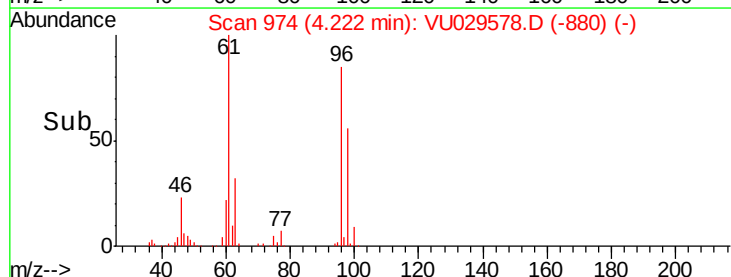
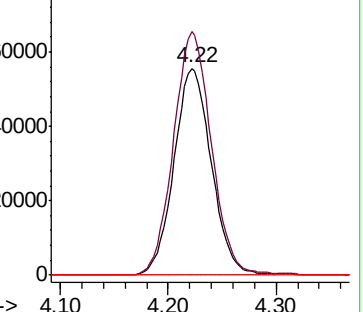
68 0.0 0.0 0.0

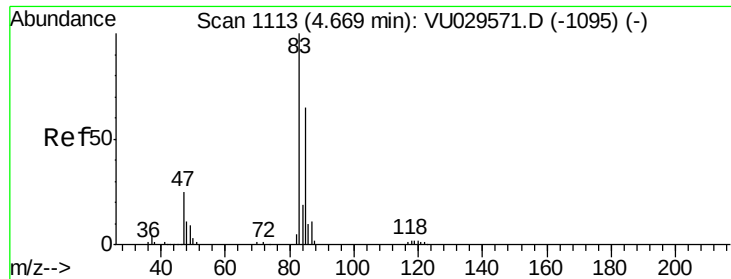


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

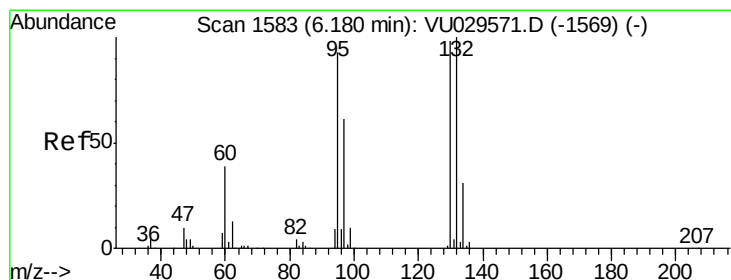
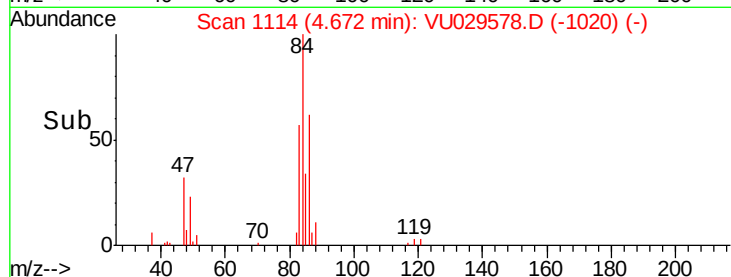
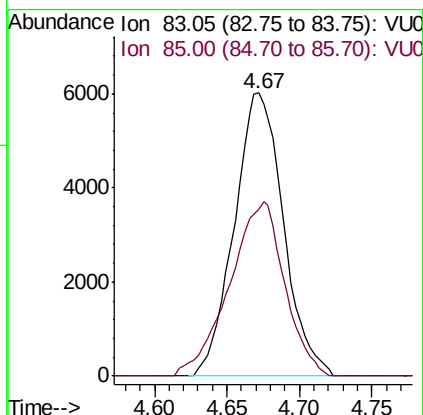
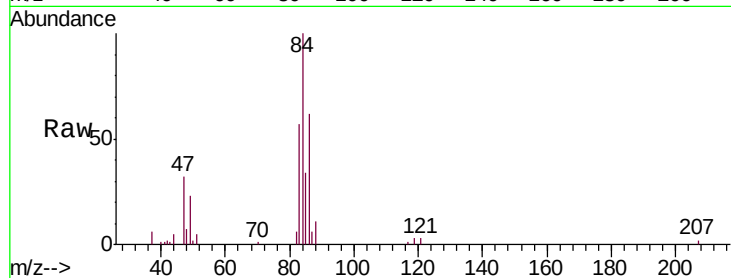




#25
Chloroform
Concen: 0.535 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029578.D
Acq: 20 Feb 2019 14:15

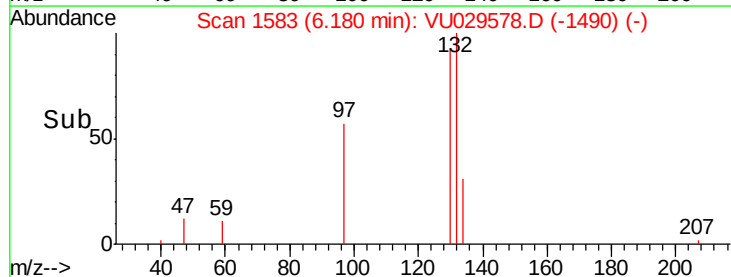
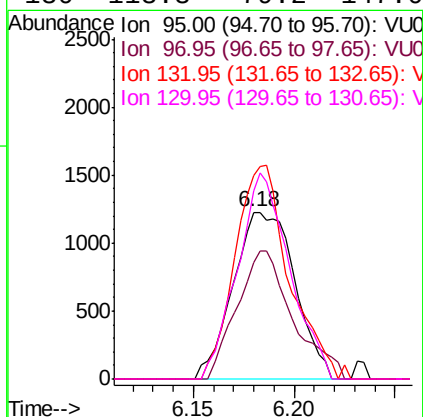
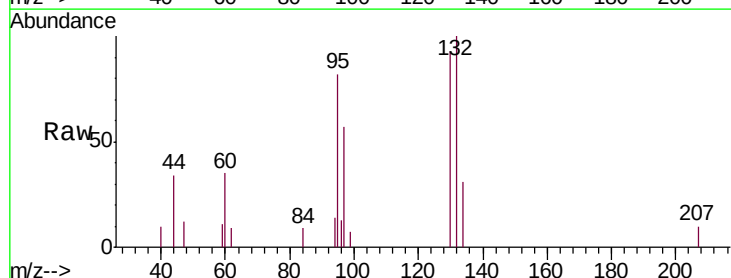
Instrument :
MSVOA_U
ClientSampleId :
ESXF0DL

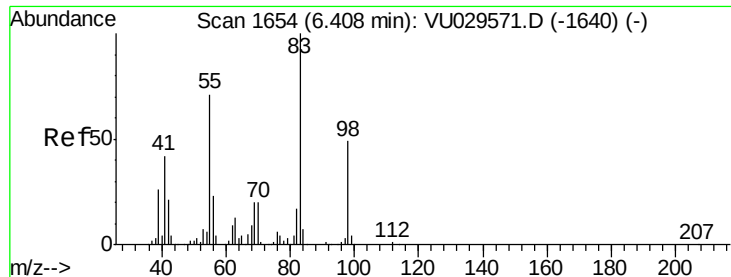
Tgt Ion: 83 Resp: 14161
Ion Ratio Lower Upper
83 100
85 59.2 47.8 88.8



#34
Trichloroethene
Concen: 0.162 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU029578.D
Acq: 20 Feb 2019 14:15

Tgt Ion: 95 Resp: 2621
Ion Ratio Lower Upper
95 100
97 70.0 46.3 86.1
132 121.9 72.9 135.3
130 113.3 79.2 147.0

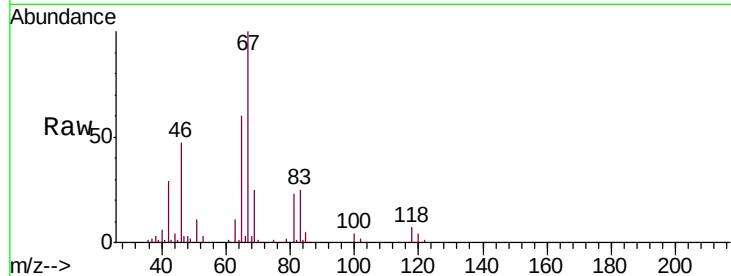




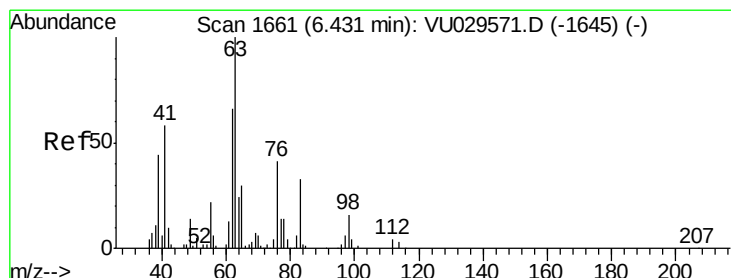
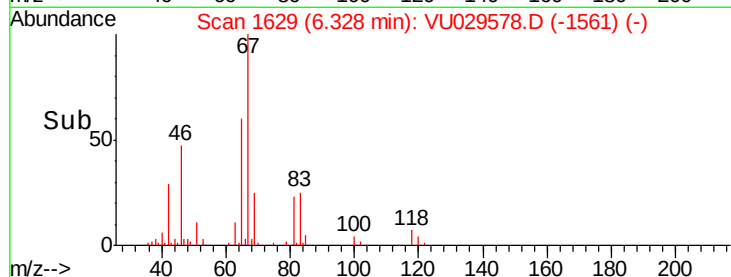
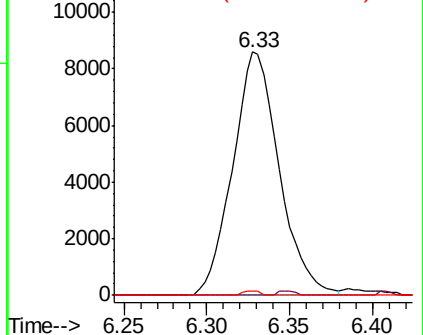
#35
Methylcyclohexane
Concen: 0.614 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029578.D
Acq: 20 Feb 2019 14:15

Instrument :
MSVOA_U
ClientSampleId :
ESXF0DL

Tgt Ion: 83 Resp: 16749
Ion Ratio Lower Upper
83 100
55 0.7 55.9 83.9#
98 0.6 38.6 57.8#

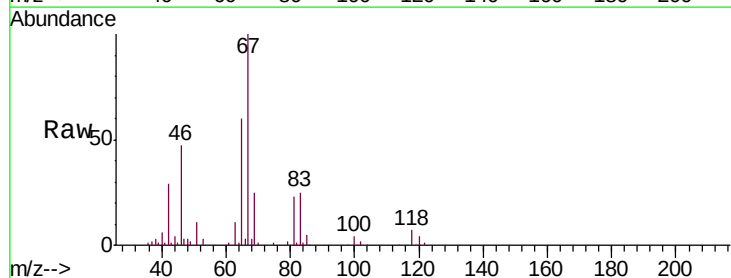


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

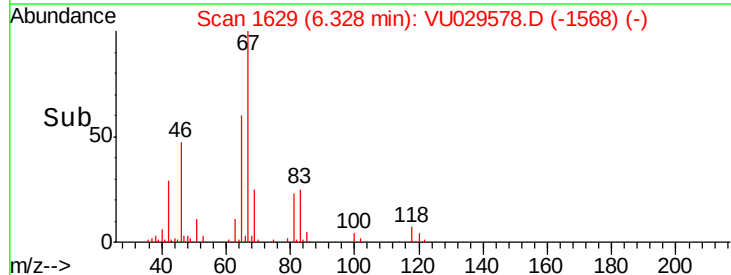
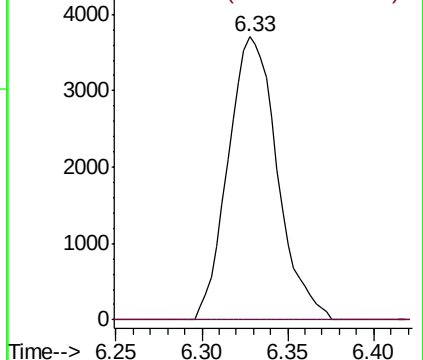


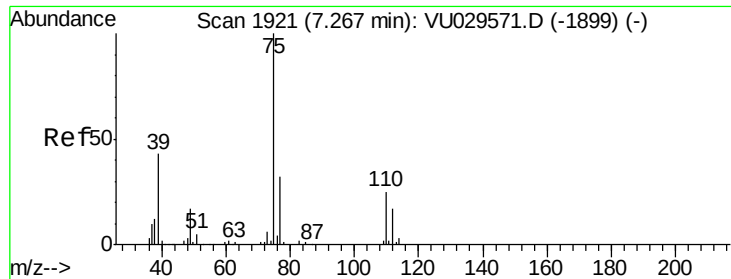
#37
1,2-Dichloropropane
Concen: 0.512 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029578.D
Acq: 20 Feb 2019 14:15

Tgt Ion: 63 Resp: 7392
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

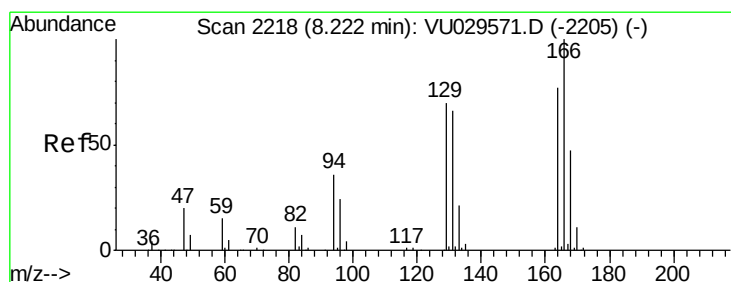
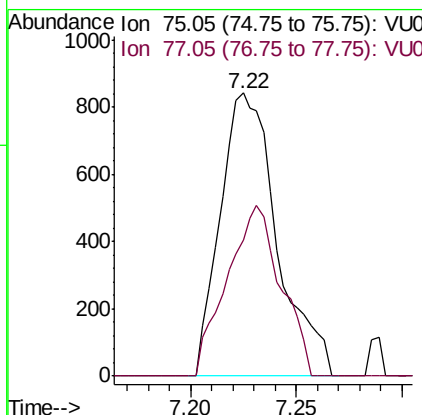
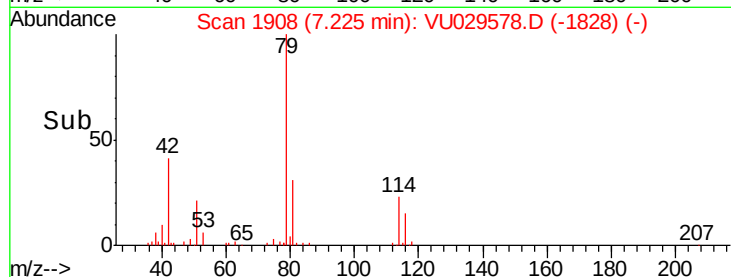
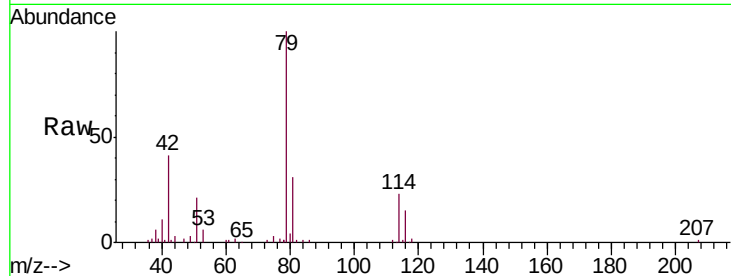




#39
 cis-1,3-Dichloropropene
 Concen: 0.069 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029578.D
 Acq: 20 Feb 2019 14:15

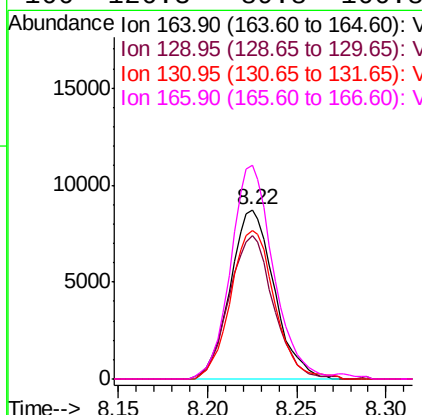
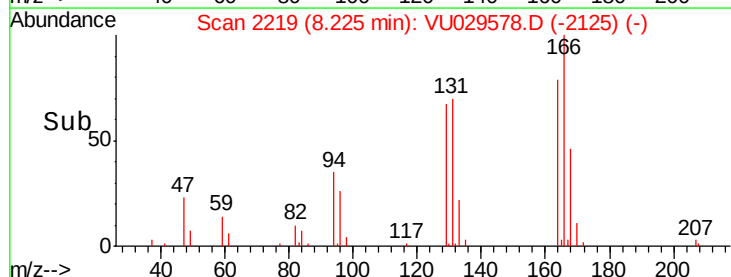
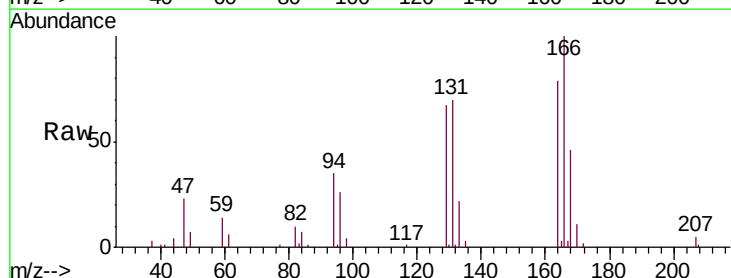
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXF0DL

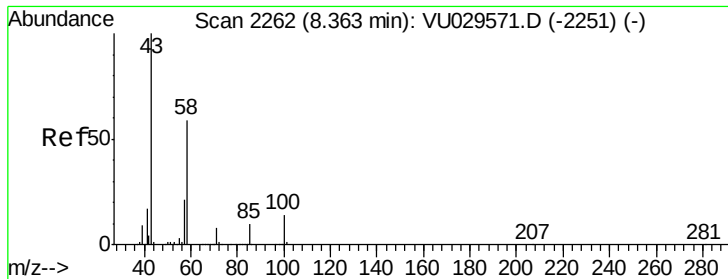
Tgt Ion: 75 Resp: 1578
 Ion Ratio Lower Upper
 75 100
 77 48.2 22.3 41.3#



#47
 Tetrachloroethene
 Concen: 1.007 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029578.D
 Acq: 20 Feb 2019 14:15

Tgt Ion: 164 Resp: 14960
 Ion Ratio Lower Upper
 164 100
 129 84.9 62.9 116.9
 131 87.9 62.1 115.3
 166 126.3 89.8 166.8

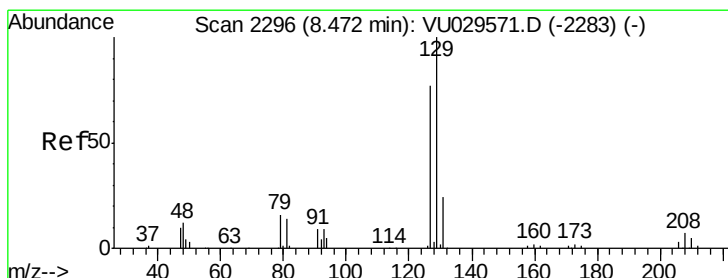
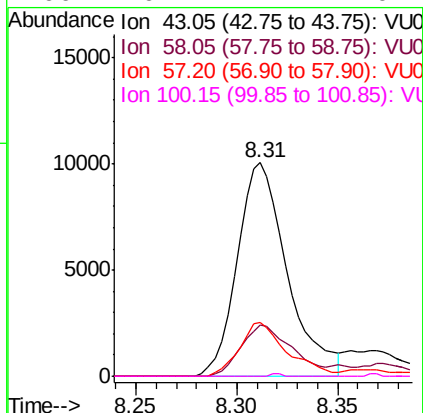
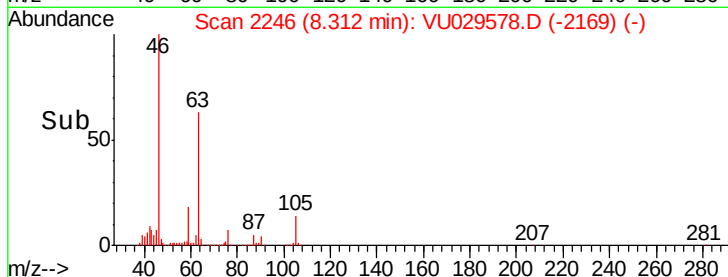
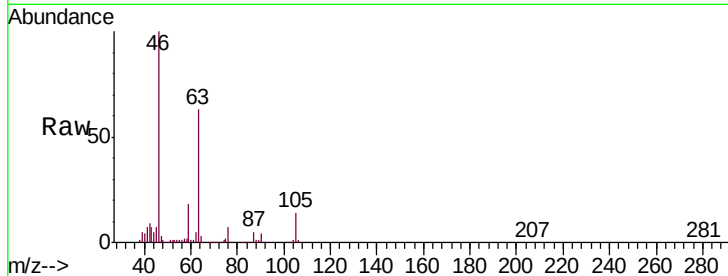




#48
2-Hexanone
Concen: 2.876 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU029578.D
Acq: 20 Feb 2019 14:15

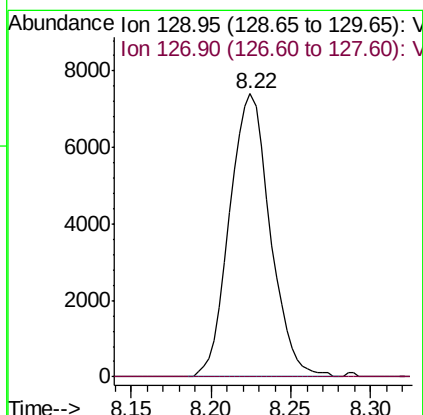
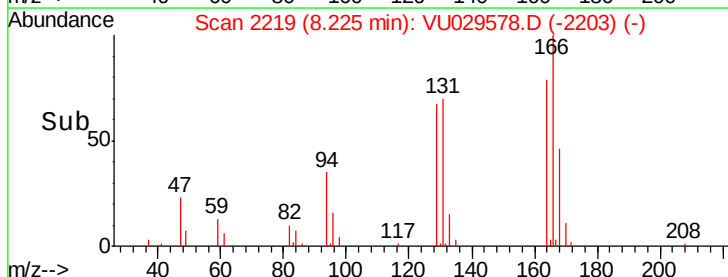
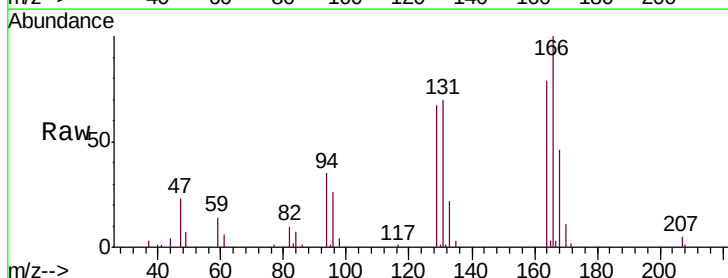
Instrument :
MSVOA_U
ClientSampleId :
ESXF0DL

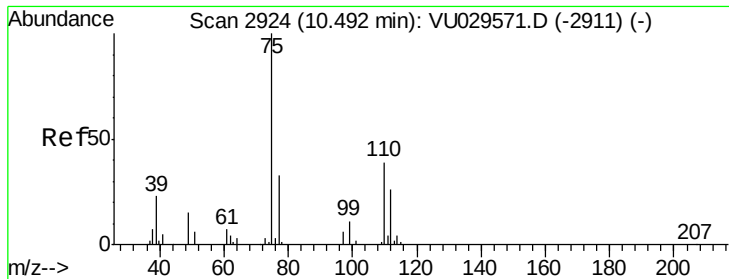
Tgt Ion: 43 Resp: 17453
Ion Ratio Lower Upper
43 100
58 24.4 45.7 68.5#
57 23.6 16.4 24.6
100 0.2 11.1 16.7#



#49
Dibromochloromethane
Concen: 0.859 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029578.D
Acq: 20 Feb 2019 14:15

Tgt Ion: 129 Resp: 12802
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#





#59

1,2,3-Trichloropropane

Concen: 1.064 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029578.D

Acq: 20 Feb 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

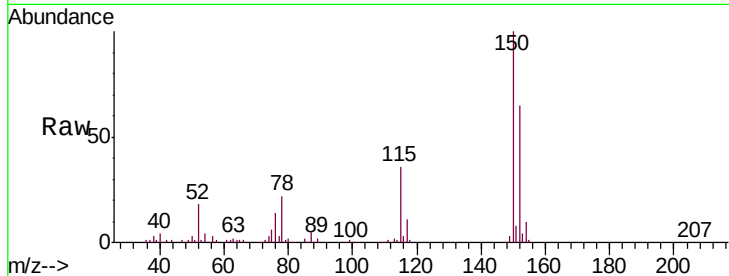
ESXF0DL

Tgt Ion: 75 Resp: 9855

Ion Ratio Lower Upper

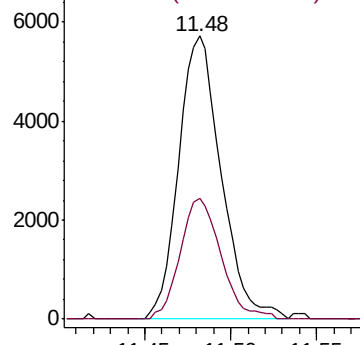
75 100

77 41.0 28.2 42.2

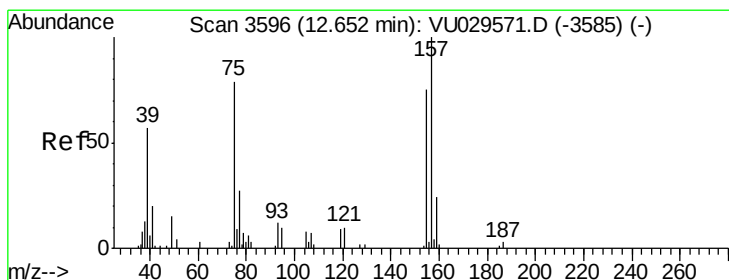
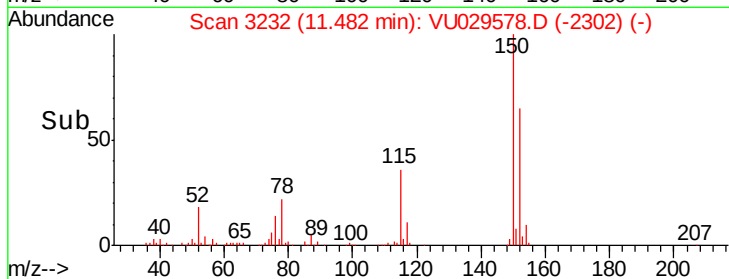


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 0.468 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.17 min

Lab File: VU029578.D

Acq: 20 Feb 2019 14:15

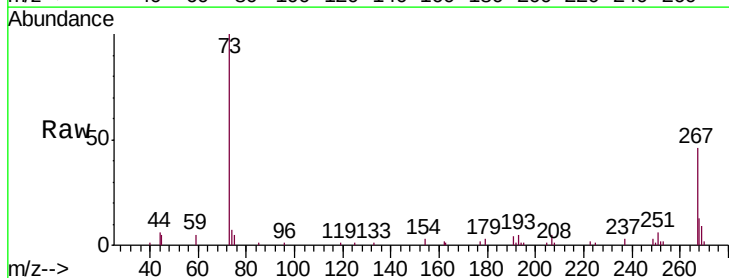
Tgt Ion: 75 Resp: 997

Ion Ratio Lower Upper

75 100

155 0.0 75.3 112.9#

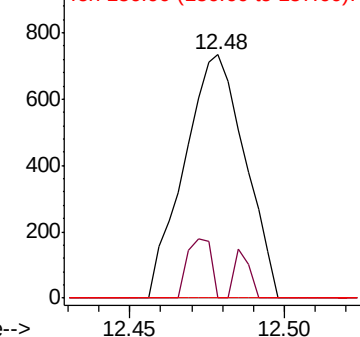
157 0.0 103.0 154.4#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V



Time-->

