

Data File : VU029512.D
Acq On : 15 Feb 2019 21:41
Operator : JC/SP
Sample : K1489-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXF9

Quant Time: Feb 16 00:18:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 16 00:13:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	197554	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	191673	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102070	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64063	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.68	69	56154	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.27	63	96419	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.20	46	135348	49.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.08%
24) Chloroform-d	4.65	84	96605	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.31	65	55146	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.34	84	221227	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.33	67	65775	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.56	98	222071	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.85	79	26417	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.31	63	141010	50.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56277	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	95677	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.43	85	833	0.048 ug/L	90
5) Vinyl chloride	1.40	62	527649	27.734 ug/L	100
8) Chloroethane	1.57	64	221838	17.907 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	1211	0.071 ug/L #	1
12) 1,1-Dichloroethene	2.28	96	3968	0.244 ug/L #	1
13) Acetone	2.33	43	4892	1.951 ug/L	98
14) Carbon disulfide	2.48	76	6310	0.118 ug/L #	89
17) Methyl tert-butyl Ether	3.00	73	18962	0.466 ug/L #	88
18) trans-1,2-Dichloroethene	2.98	96	14648	0.845 ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	1011645	63.438 ug/L	96
25) Chloroform	4.68	83	7052	0.270 ug/L	90
34) Trichloroethene	6.18	95	9604	0.605 ug/L	94
37) 1,2-Dichloropropane	6.33	63	7482	0.529 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1859	0.084 ug/L #	82
47) Tetrachloroethene	8.22	164	3763	0.259 ug/L	85
48) 2-Hexanone	8.37	43	2164	0.365 ug/L #	80
49) Dibromochloromethane	8.22	129	3152	0.216 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021619\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 16 00:13:53 2019
Response via : Initial Calibration

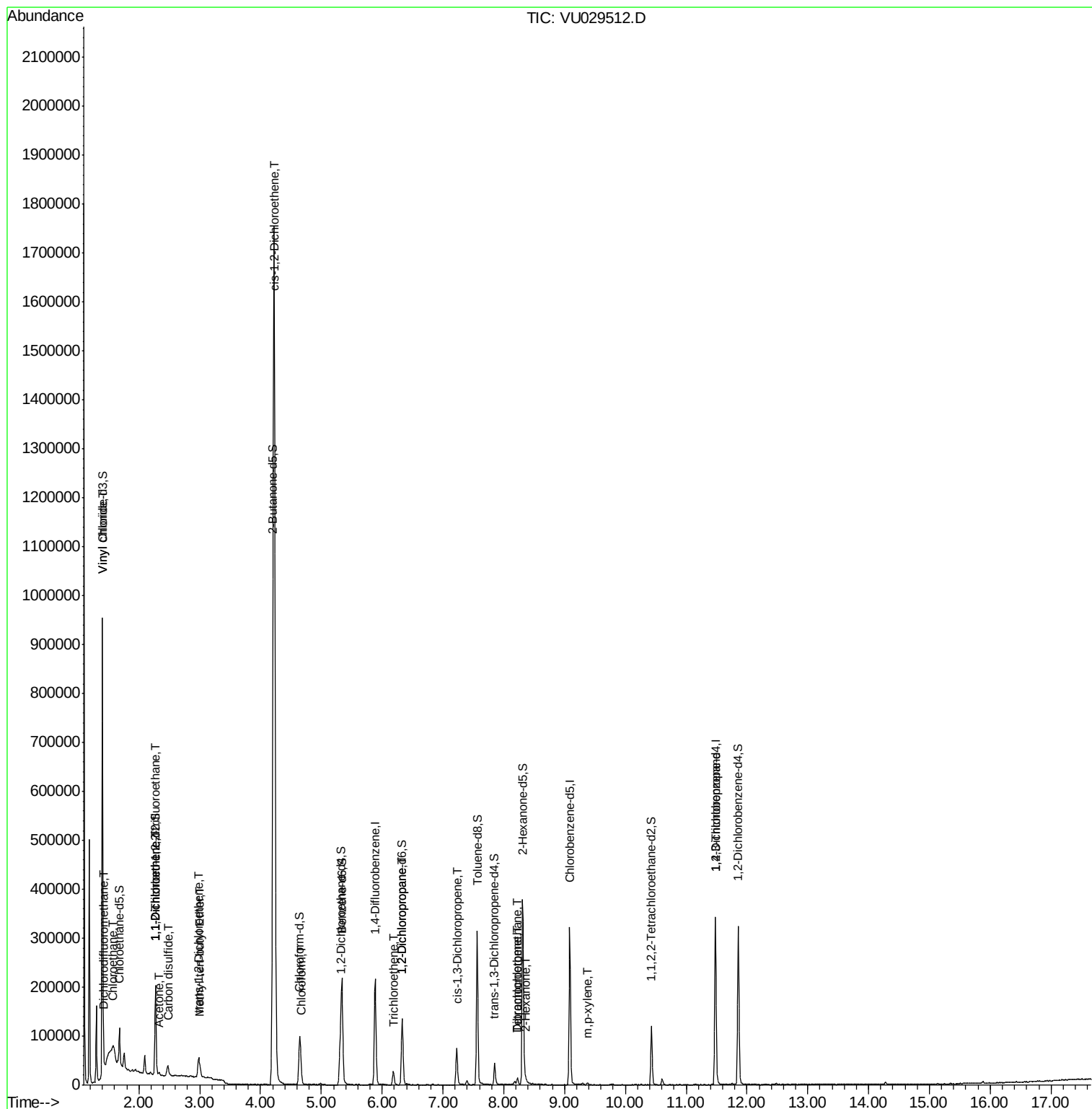
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.38	106	1548	0.054	ug/L	90
59) 1,2,3-Trichloropropane	11.48	75	9852	1.087	ug/L	91

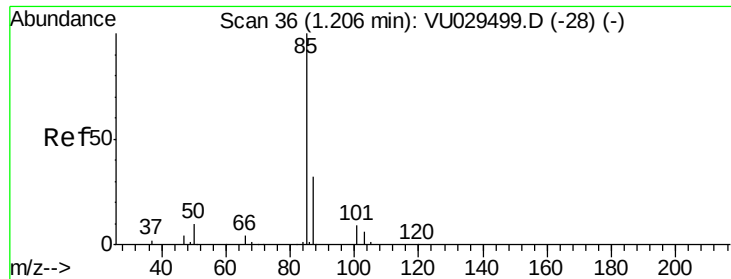
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.048 ug/L

RT: 1.43 min Scan# 106

Delta R.T. 0.22 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

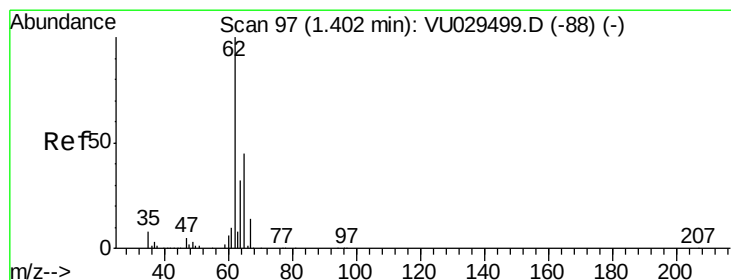
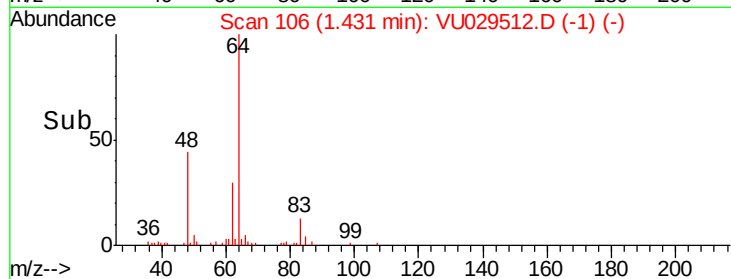
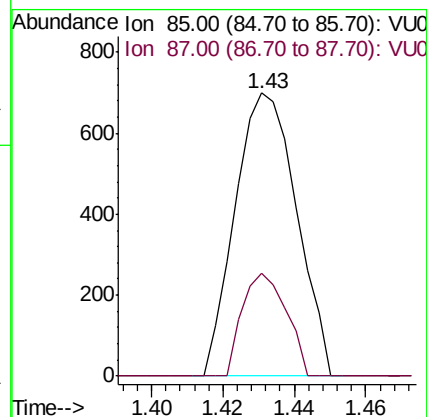
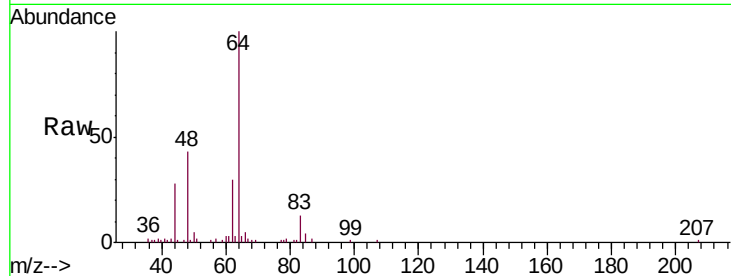
ESXF9

Tgt Ion: 85 Resp: 833

Ion Ratio Lower Upper

85 100

87 26.1 25.4 38.0



#5

Vinyl chloride

Concen: 27.734 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029512.D

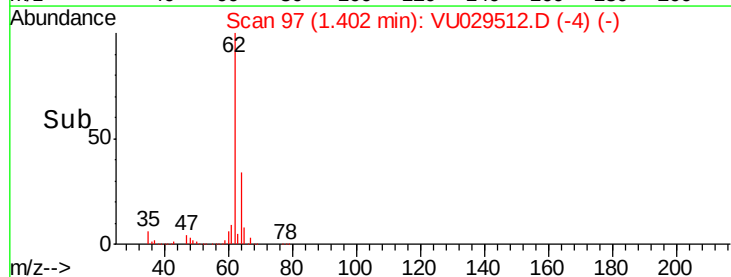
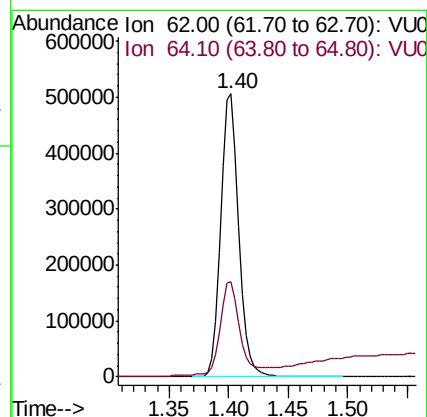
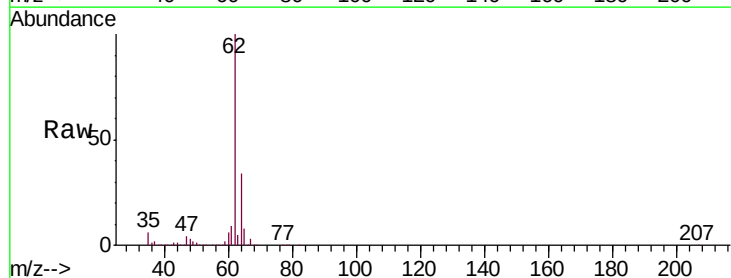
Acq: 15 Feb 2019 21:41

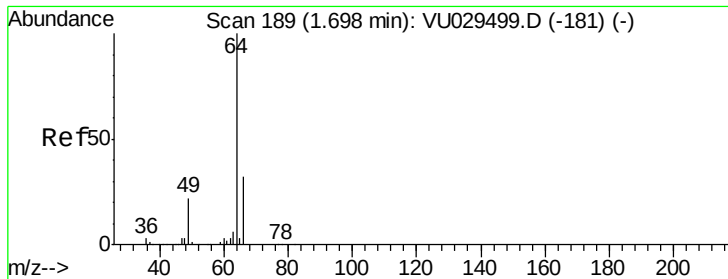
Tgt Ion: 62 Resp: 527649

Ion Ratio Lower Upper

62 100

64 33.9 23.5 43.7





#8

Chloroethane

Concen: 17.907 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.13 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

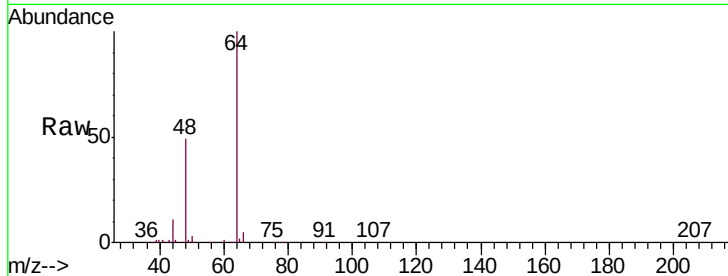
ESXF9

Tgt Ion: 64 Resp: 221838

Ion Ratio Lower Upper

64 100

66 4.7 22.0 40.8#



Abundance Ion 64.10 (63.80 to 64.80): VU029499.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU029499.D (-181) (-)

200000

150000

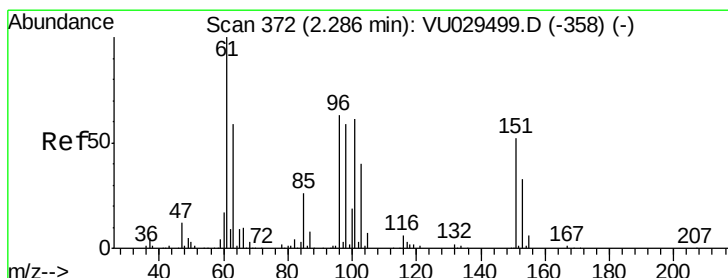
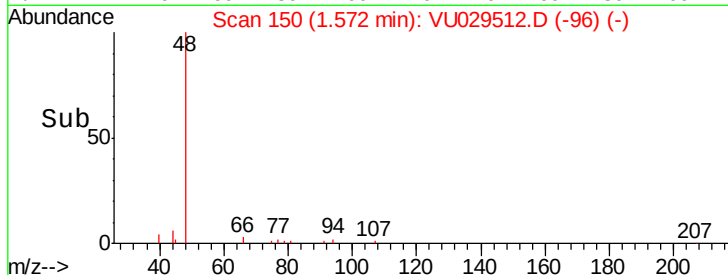
100000

50000

0

1.40 1.50 1.60 1.70

Time-->



#10

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

Concen: 0.071 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

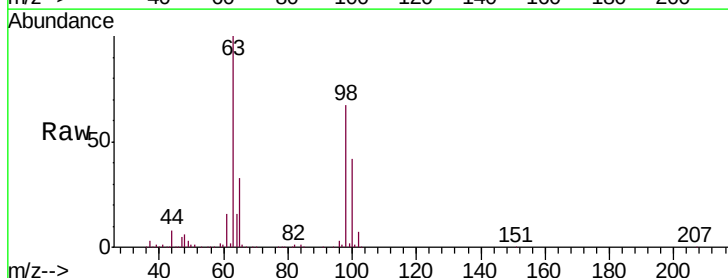
Tgt Ion: 101 Resp: 1211

Ion Ratio Lower Upper

101 100

85 549.6 35.1 52.7#

151 14.7 67.0 100.6#



Abundance Ion 101.00 (100.70 to 101.70): VU029499.D (-358) (-)

Ion 85.00 (84.70 to 85.70): VU029499.D (-358) (-)

Ion 151.00 (150.70 to 151.70): VU029499.D (-358) (-)

800

600

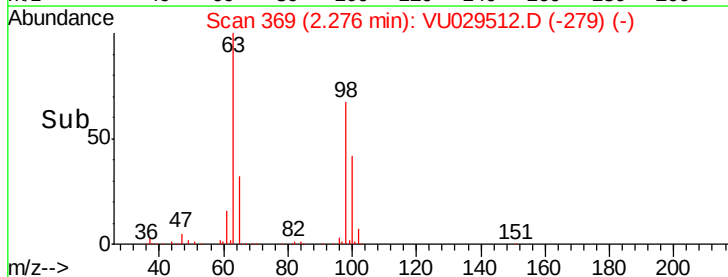
400

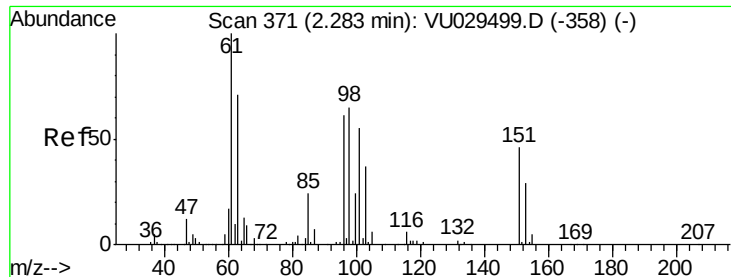
200

0

2.25 2.30

Time-->





#12

1,1-Dichloroethene

Concen: 0.244 ug/L

RT: 2.28 min Scan# 371

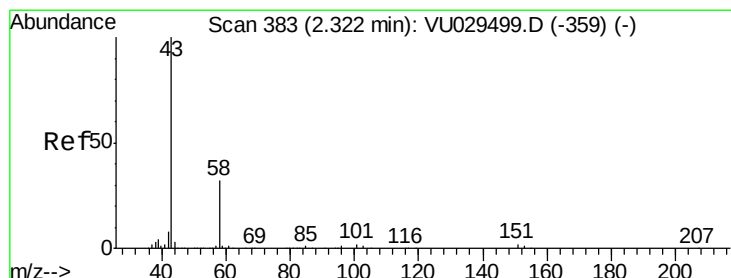
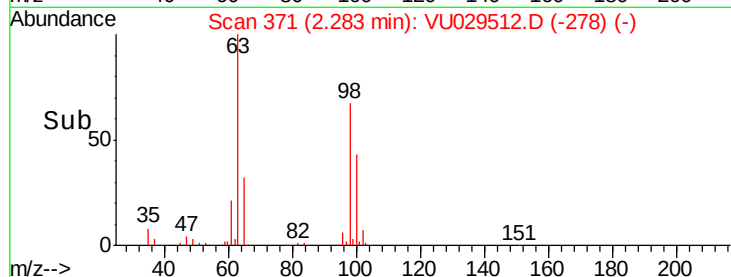
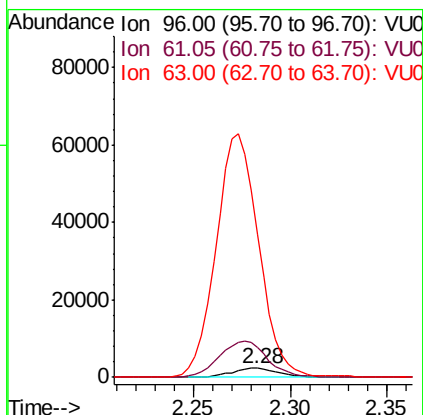
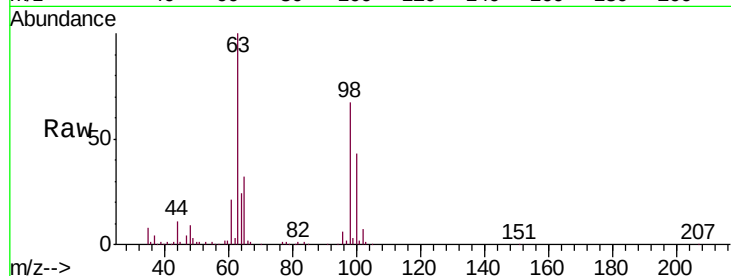
Delta R.T. -0.00 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

Instrument :
MSVOA_U
ClientSampled :
ESXF9

Tgt Ion: 96 Resp: 3968
Ion Ratio Lower Upper
96 100
61 332.7 115.1 213.7#
63 1591.7 83.5 155.1#



#13

Acetone

Concen: 1.951 ug/L

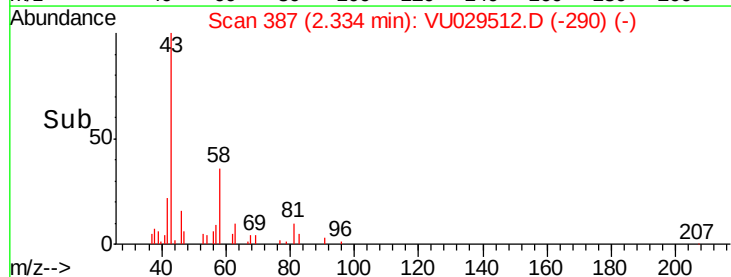
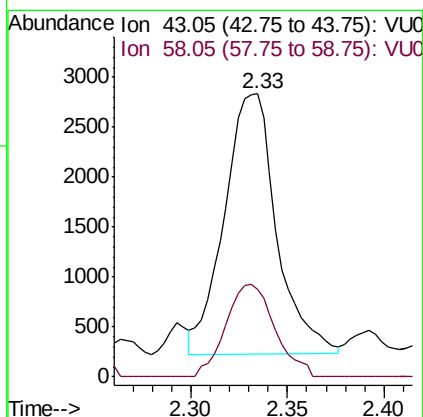
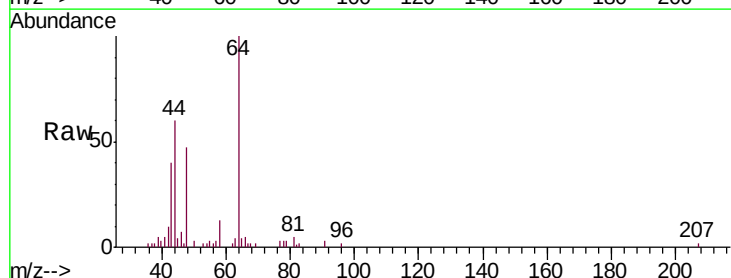
RT: 2.33 min Scan# 387

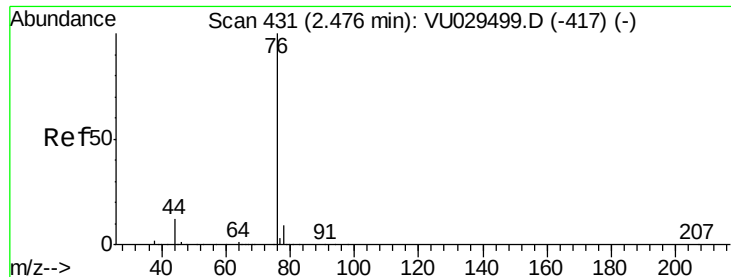
Delta R.T. 0.01 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

Tgt Ion: 43 Resp: 4892
Ion Ratio Lower Upper
43 100
58 33.4 0.0 65.0





#14

Carbon disulfide

Concen: 0.118 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

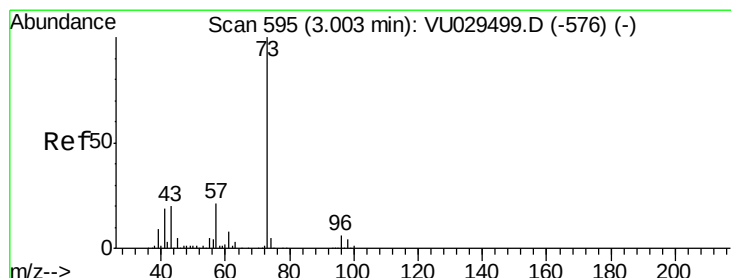
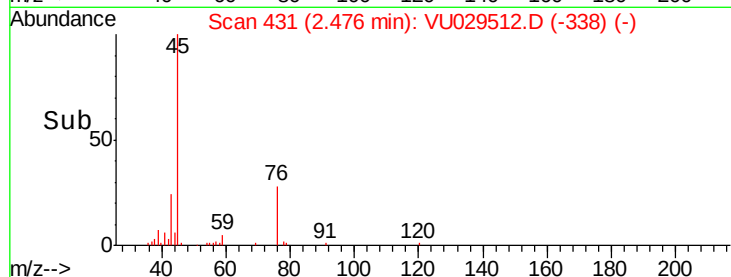
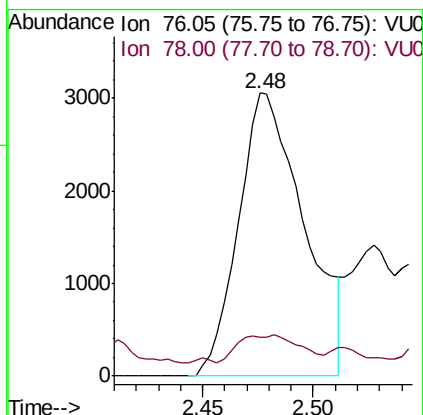
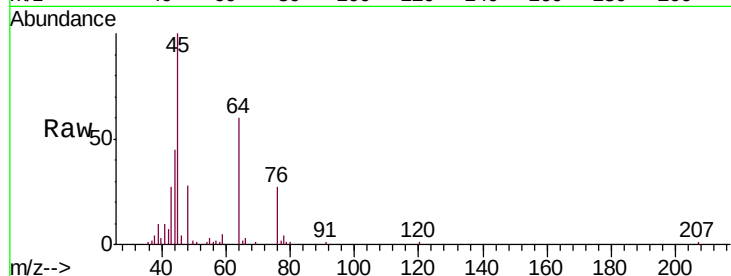
ESXF9

Tgt Ion: 76 Resp: 6310

Ion Ratio Lower Upper

76 100

78 13.5 7.5 11.3#



#17

Methyl tert-butyl Ether

Concen: 0.466 ug/L

RT: 3.00 min Scan# 595

Delta R.T. -0.00 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

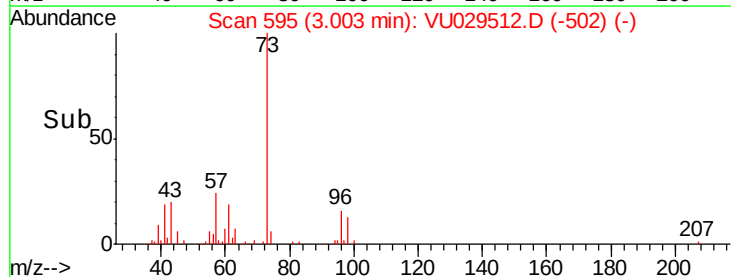
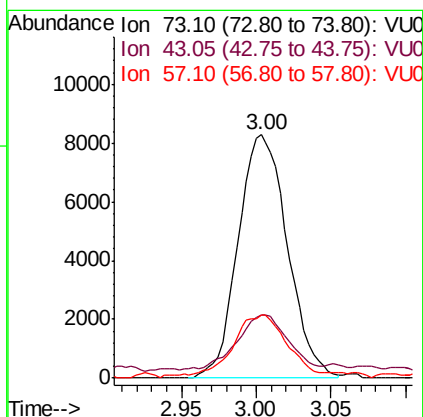
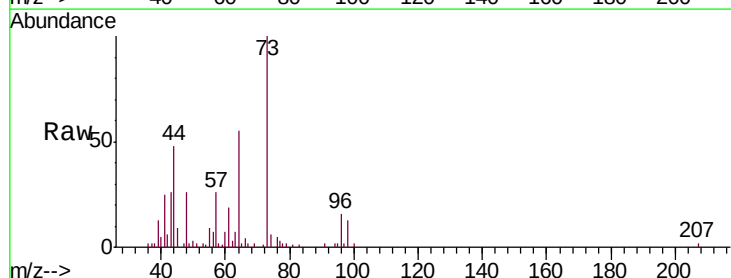
Tgt Ion: 73 Resp: 18962

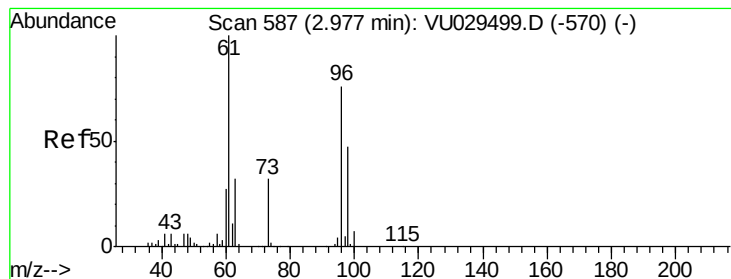
Ion Ratio Lower Upper

73 100

43 23.1 16.0 24.0

57 29.3 16.9 25.3#





#18

trans-1,2-Dichloroethene

Concen: 0.845 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

ESXF9

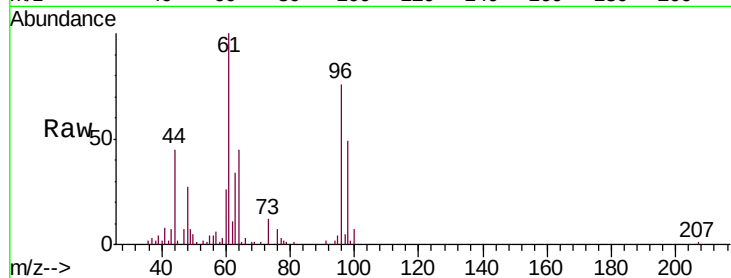
Tgt Ion: 96 Resp: 14648

Ion Ratio Lower Upper

96 100

61 131.2 95.4 177.2

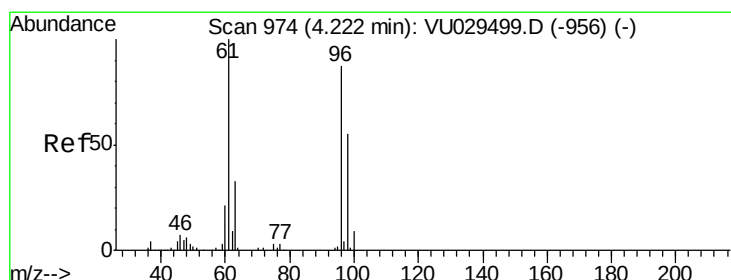
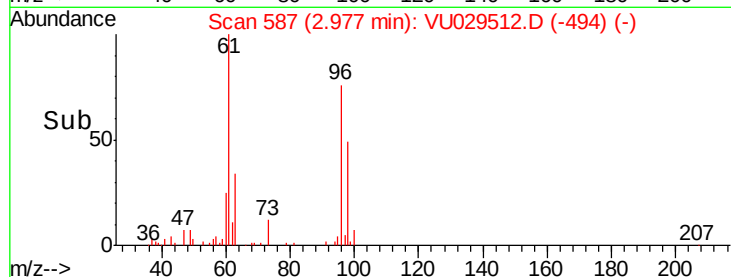
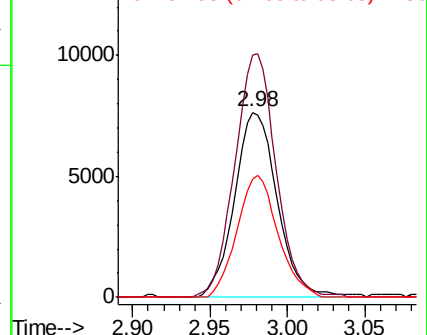
98 64.2 45.8 85.2



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: 63.438 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

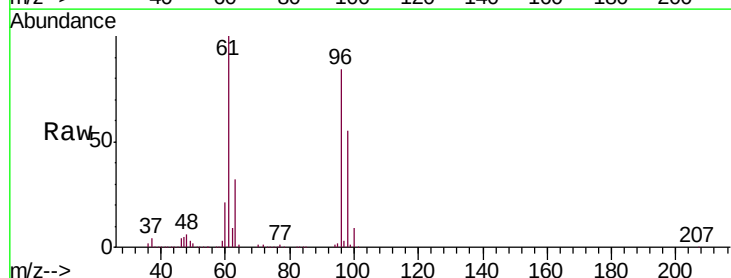
Tgt Ion: 96 Resp: 1011645

Ion Ratio Lower Upper

96 100

61 119.0 79.9 148.5

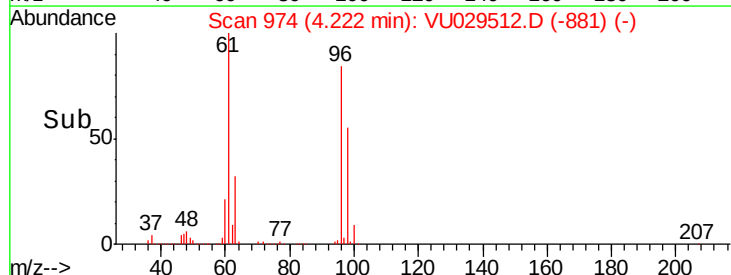
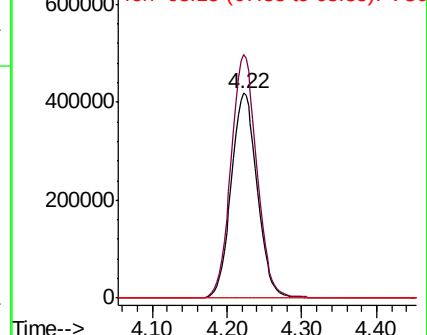
68 0.0 0.0 0.0

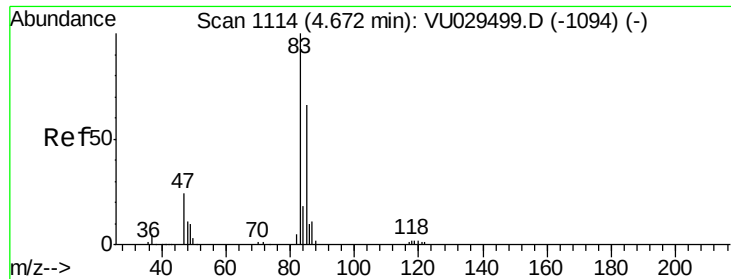


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

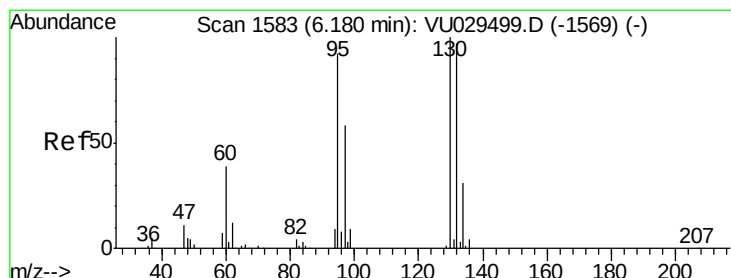
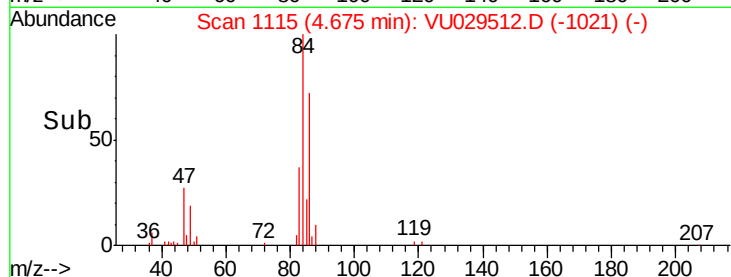
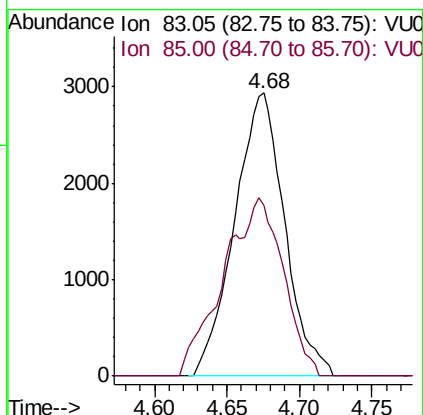
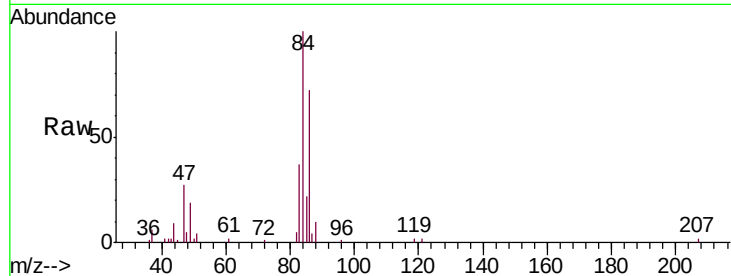




#25
Chloroform
Concen: 0.270 ug/L
RT: 4.68 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VU029512.D
Acq: 15 Feb 2019 21:41

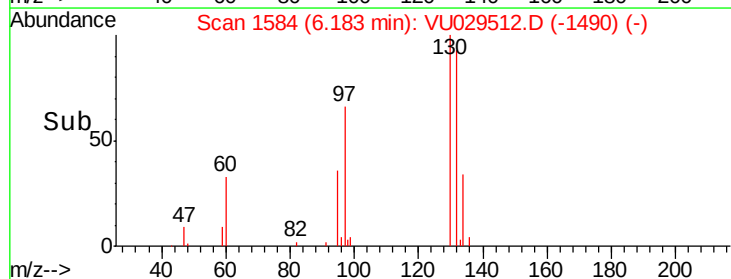
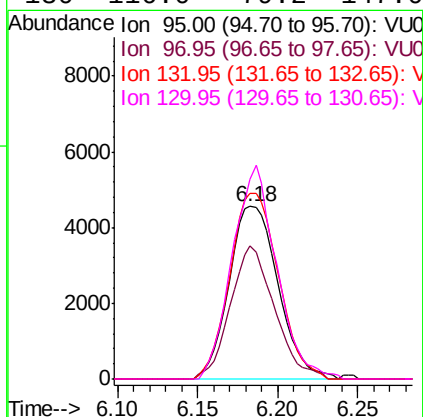
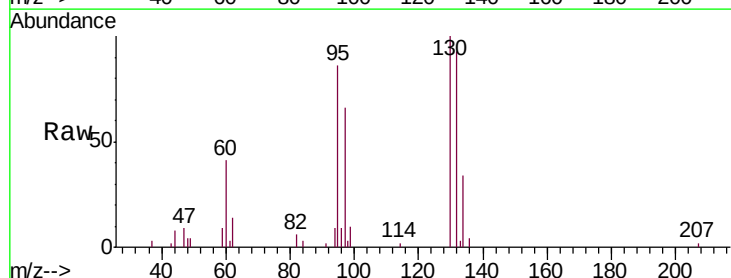
Instrument :
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ESXF9

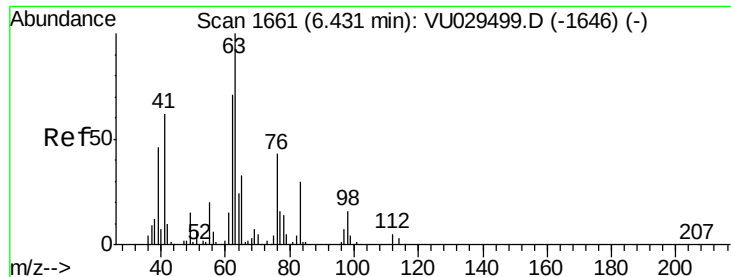
Tgt Ion: 83 Resp: 7052
Ion Ratio Lower Upper
83 100
85 60.1 47.8 88.8



#34
Trichloroethene
Concen: 0.605 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029512.D
Acq: 15 Feb 2019 21:41

Tgt Ion: 95 Resp: 9604
Ion Ratio Lower Upper
95 100
97 76.9 46.3 86.1
132 107.9 72.9 135.3
130 116.0 79.2 147.0

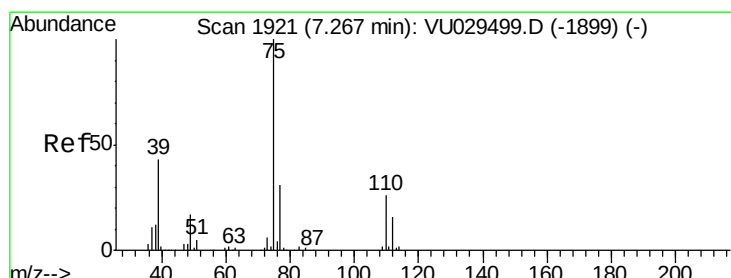
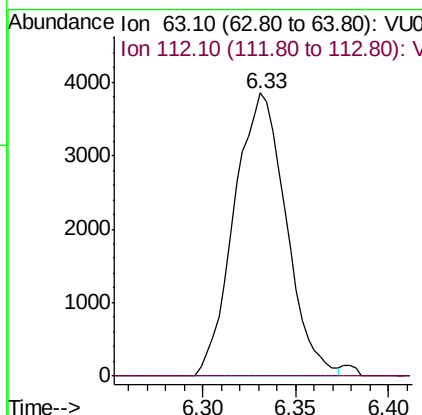
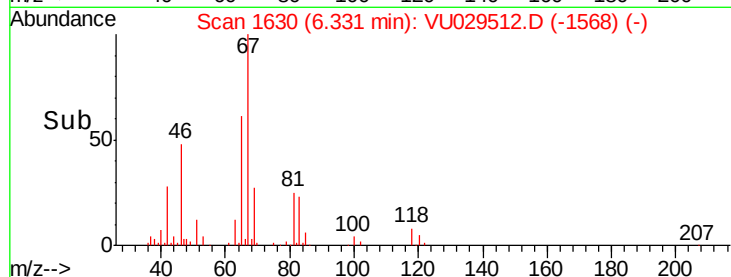
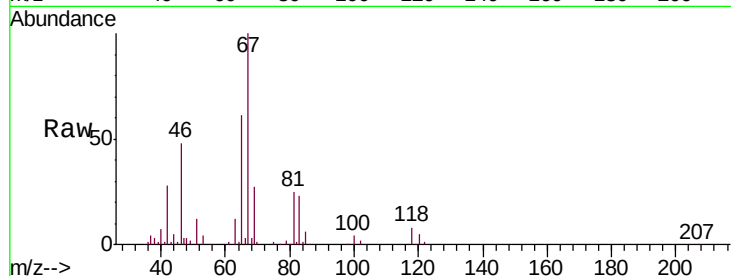




#37
 1,2-Dichloropropane
 Concen: 0.529 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.10 min
 Lab File: VU029512.D
 Acq: 15 Feb 2019 21:41

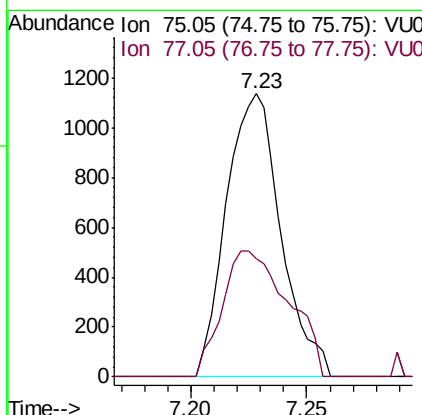
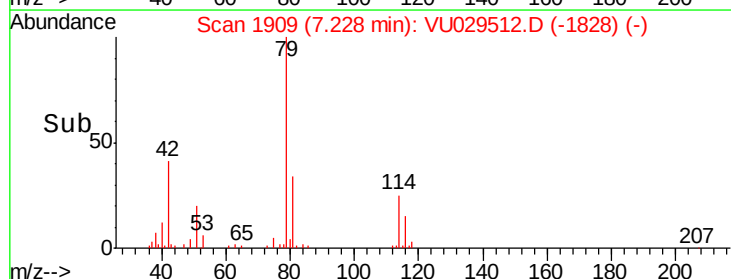
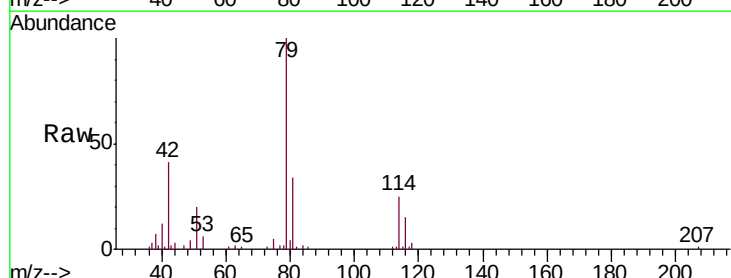
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXF9

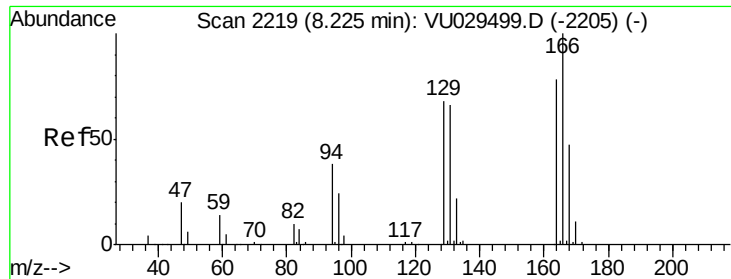
Tgt Ion: 63 Resp: 7482
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU029512.D
 Acq: 15 Feb 2019 21:41

Tgt Ion: 75 Resp: 1859
 Ion Ratio Lower Upper
 75 100
 77 41.8 22.3 41.3#

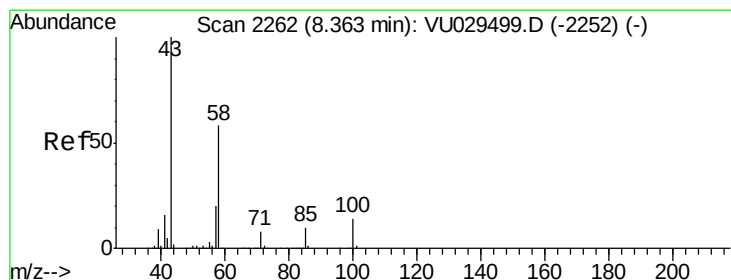
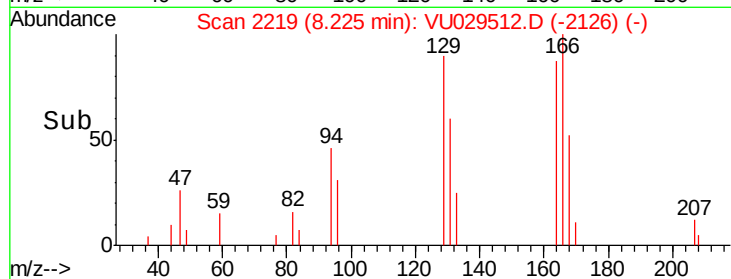
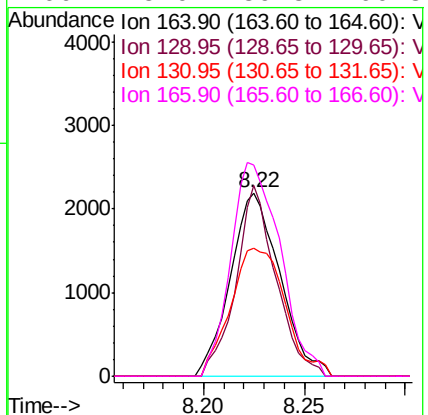
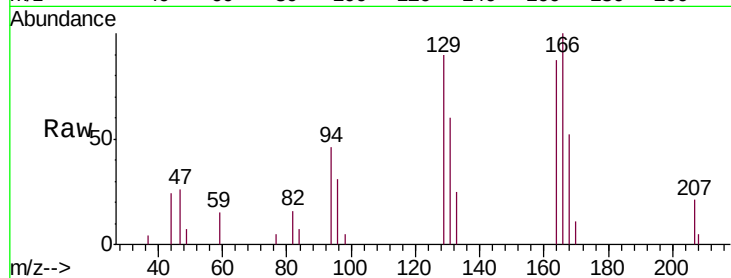




#47
Tetrachloroethene
Concen: 0.259 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU029512.D
Acq: 15 Feb 2019 21:41

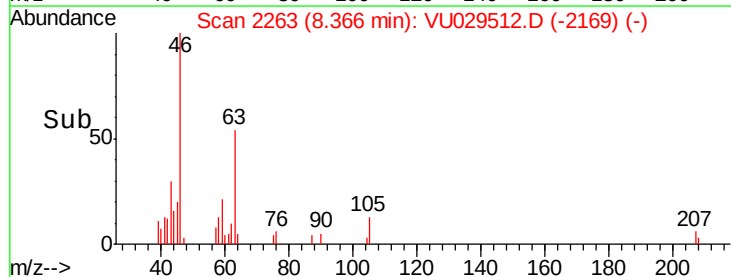
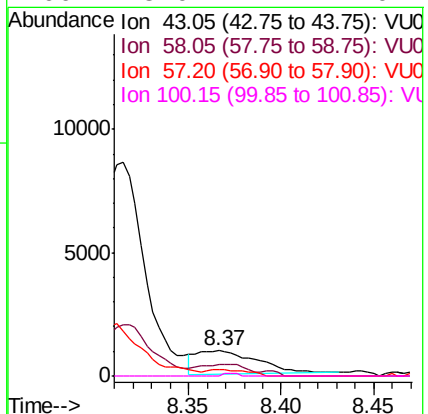
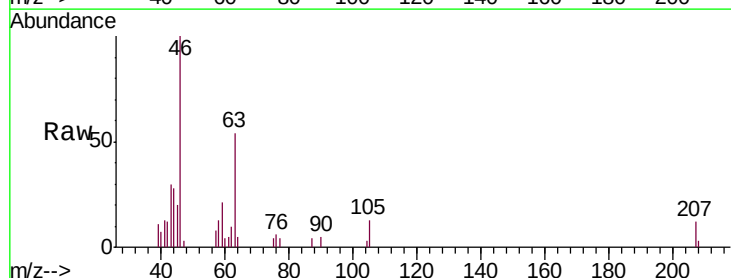
Instrument :
MSVOA_U
ClientSampleId :
ESXF9

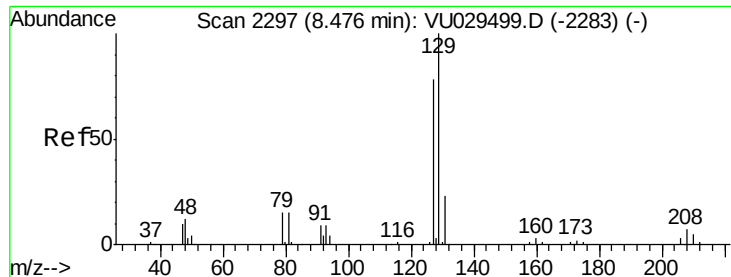
Tgt Ion:164 Resp: 3763
Ion Ratio Lower Upper
164 100
129 103.6 62.9 116.9
131 69.4 62.1 115.3
166 115.0 89.8 166.8



#48
2-Hexanone
Concen: 0.365 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029512.D
Acq: 15 Feb 2019 21:41

Tgt Ion: 43 Resp: 2164
Ion Ratio Lower Upper
43 100
58 39.8 45.7 68.5#
57 18.1 16.4 24.6
100 3.0 11.1 16.7#





#49

Dibromochloromethane

Concen: 0.216 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

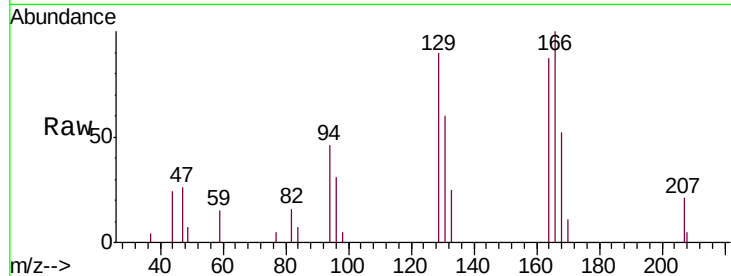
Instrument :
MSVOA_U
ClientSampleId :
ESXF9

Tgt Ion:129 Resp: 3152

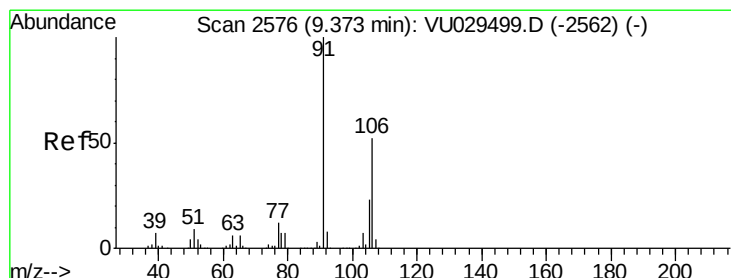
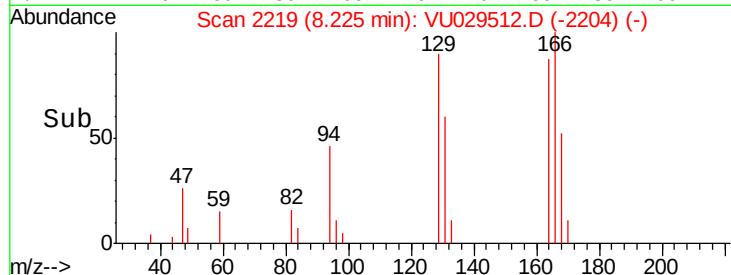
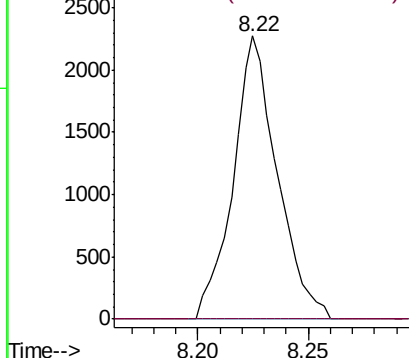
Ion Ratio Lower Upper

129 100

127 0.0 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#53

m,p-xylene

Concen: 0.054 ug/L

RT: 9.38 min Scan# 2578

Delta R.T. 0.01 min

Lab File: VU029512.D

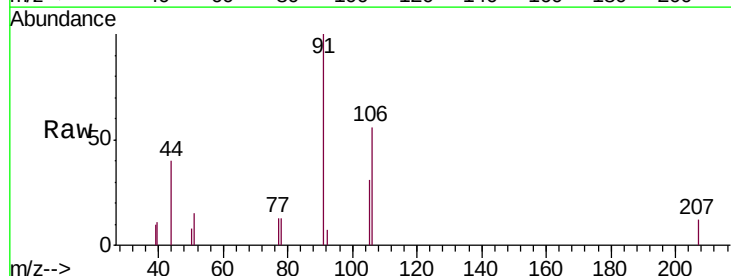
Acq: 15 Feb 2019 21:41

Tgt Ion:106 Resp: 1548

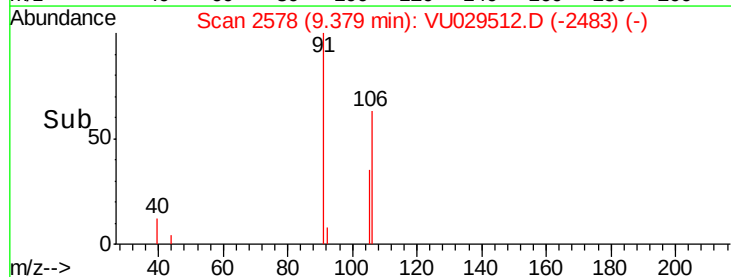
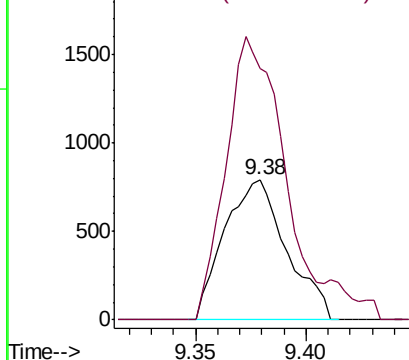
Ion Ratio Lower Upper

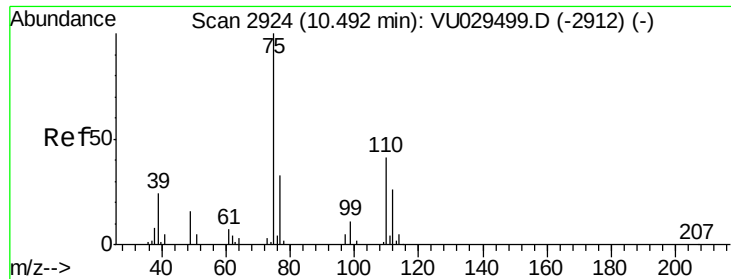
106 100

91 178.6 135.7 251.9



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: 1.087 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029512.D

Acq: 15 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

ESXF9

Tgt Ion: 75 Resp: 9852

Ion Ratio Lower Upper

75 100

77 40.2 28.2 42.2

