

Data File : VU029503.D
Acq On : 15 Feb 2019 18:08
Operator : JC/SP
Sample : K1438-12DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXD4DL

Quant Time: Feb 16 00:17:28 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	193621	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	186326	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	97968	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62796	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.68	69	63569	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.60%
11) 1,1-Dichloroethene-d2	2.27	63	106560	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	4.20	46	137461	50.82	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.64%
24) Chloroform-d	4.65	84	103743	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.31	65	56983	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.34	84	233507	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.33	67	69812	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.56	98	232072	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
43) trans-1,3-Dichloropropene-	7.85	79	28884	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	8.31	63	144357	53.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	59306	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	101430	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.40	62	1897	0.102	ug/L #	1
6) Bromomethane	1.63	94	645	0.059	ug/L	73
8) Chloroethane	1.61	64	54130	4.458	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1139	0.068	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	1640	0.103	ug/L #	1
13) Acetone	2.34	43	2213	0.901	ug/L	77
16) Methylene chloride	2.70	84	6789	0.379	ug/L	92
18) trans-1,2-Dichloroethene	2.98	96	2322	0.137	ug/L	88
22) cis-1,2-Dichloroethene	4.22	96	83647	5.352	ug/L	98
25) Chloroform	4.67	83	2025	0.079	ug/L	83
34) Trichloroethene	6.19	95	962	0.062	ug/L #	73
35) Methylcyclohexane	6.33	83	16575	0.639	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7914	0.576	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	2128	0.098	ug/L	85
40) 4-Methyl-2-pentanone	7.40	43	2186	0.276	ug/L #	41
48) 2-Hexanone	8.31	43	15341	2.658	ug/L #	68
53) m,p-xylene	9.38	106	2091	0.075	ug/L	73

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

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Response via : Initial Calibration

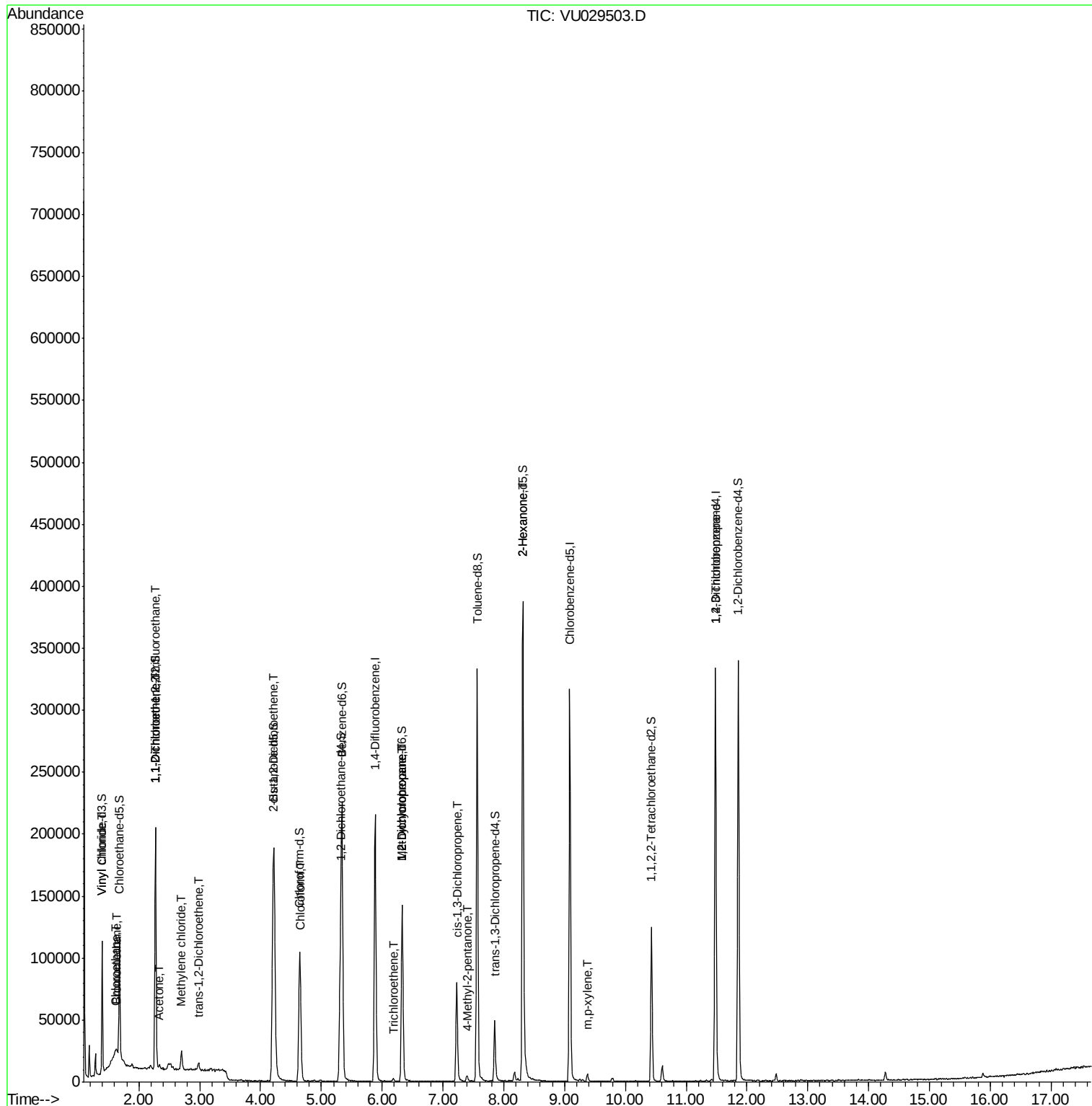
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	10049	1.140	ug/L	98

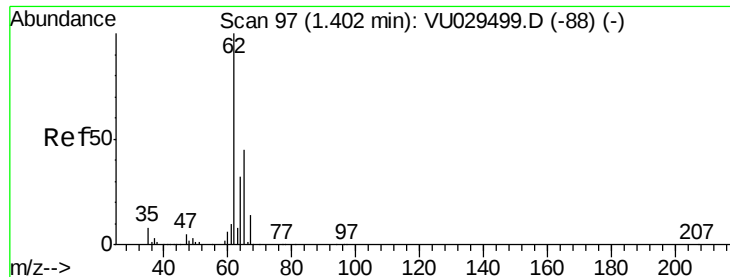
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.102 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029503.D

Acq: 15 Feb 2019 18:08

Instrument :

MSVOA_U

ClientSampleId :

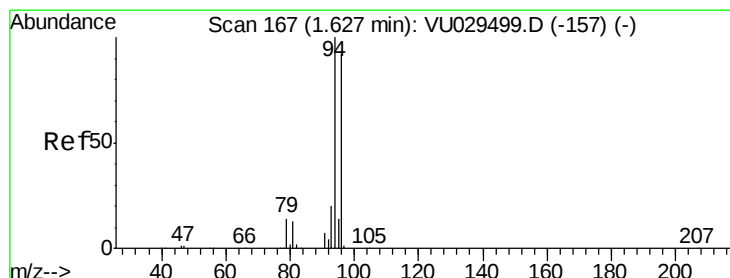
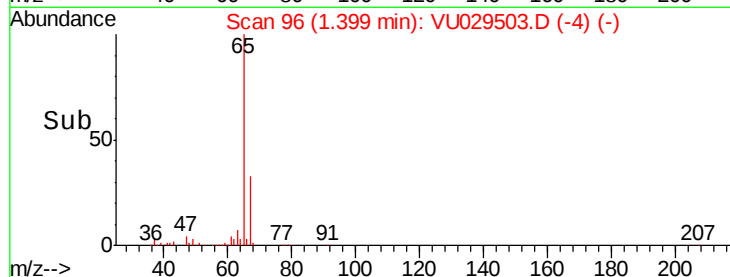
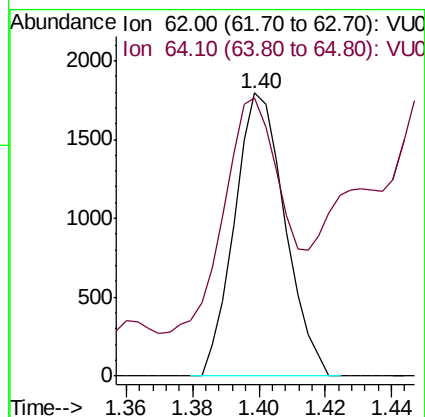
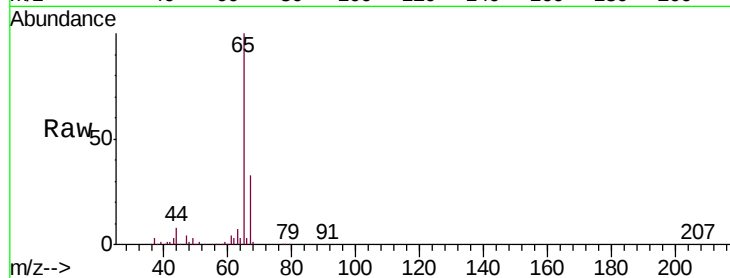
ESXD4DL

Tgt Ion: 62 Resp: 1897

Ion Ratio Lower Upper

62 100

64 98.3 23.5 43.7#



#6

Bromomethane

Concen: 0.059 ug/L

RT: 1.63 min Scan# 169

Delta R.T. 0.01 min

Lab File: VU029503.D

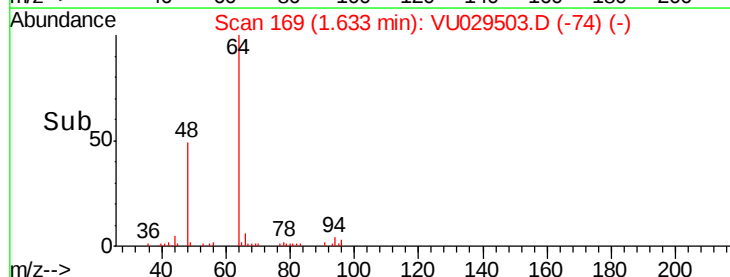
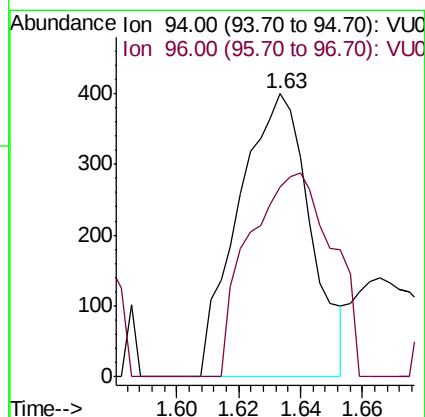
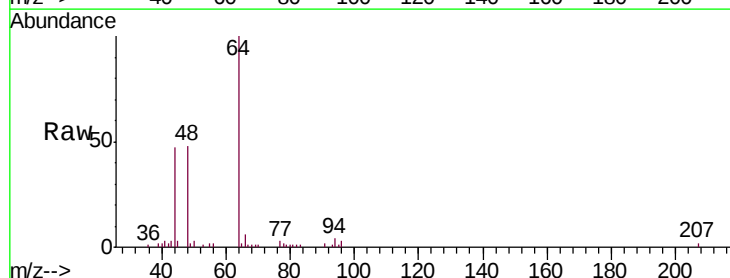
Acq: 15 Feb 2019 18:08

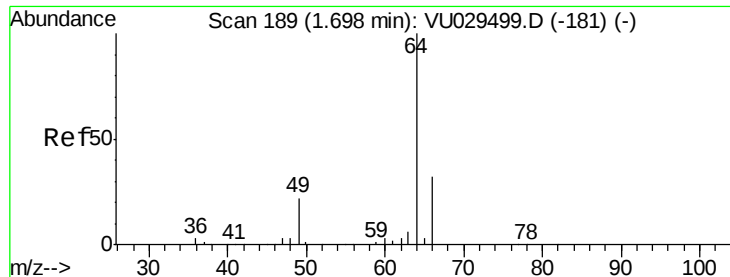
Tgt Ion: 94 Resp: 645

Ion Ratio Lower Upper

94 100

96 67.2 65.2 121.0





#8

Chloroethane

Concen: 4.458 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.08 min

Lab File: VU029503.D

Acq: 15 Feb 2019 18:08

Instrument :

MSVOA_U

ClientSampleId :

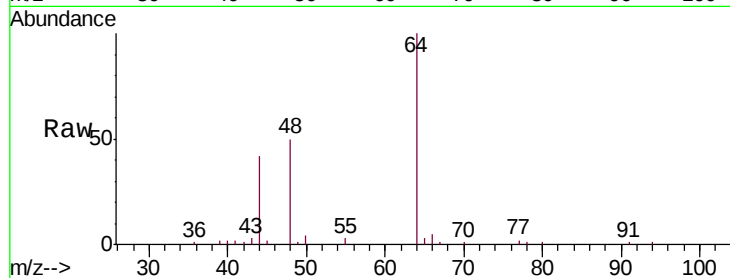
ESXD4DL

Tgt Ion: 64 Resp: 54130

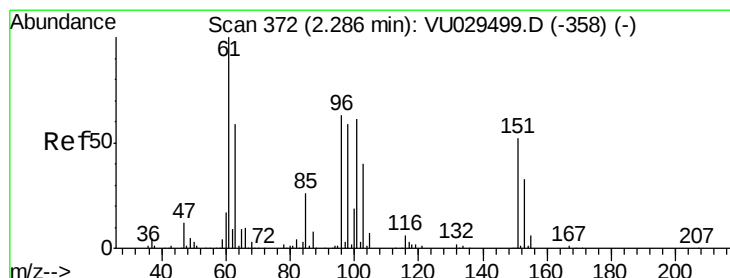
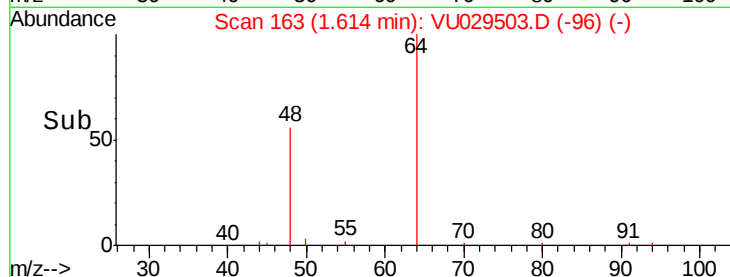
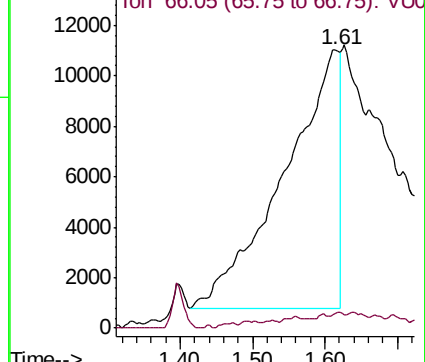
Ion Ratio Lower Upper

64 100

66 5.4 22.0 40.8#



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



#10

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

Concen: 0.068 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029503.D

Acq: 15 Feb 2019 18:08

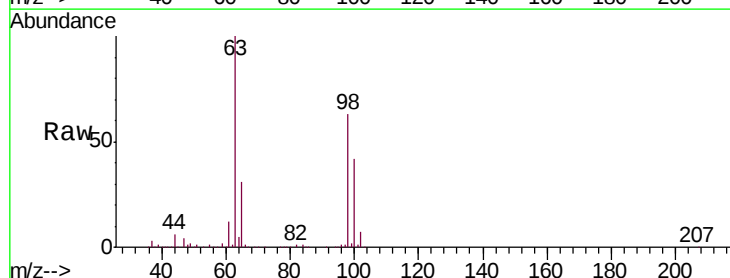
Tgt Ion: 101 Resp: 1139

Ion Ratio Lower Upper

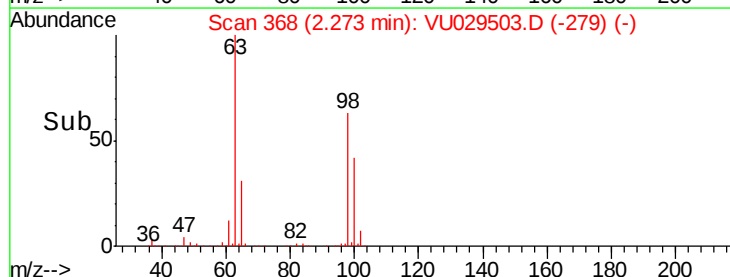
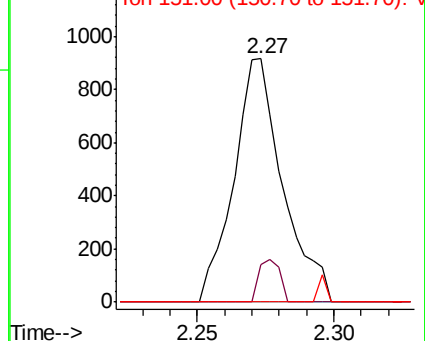
101 100

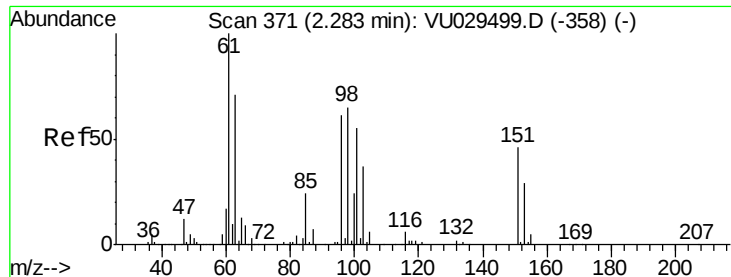
85 7.3 35.1 52.7#

151 1.8 67.0 100.6#



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

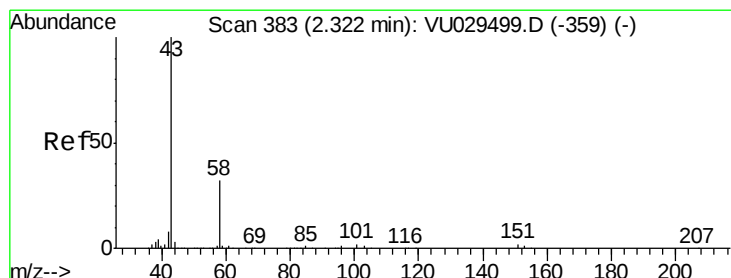
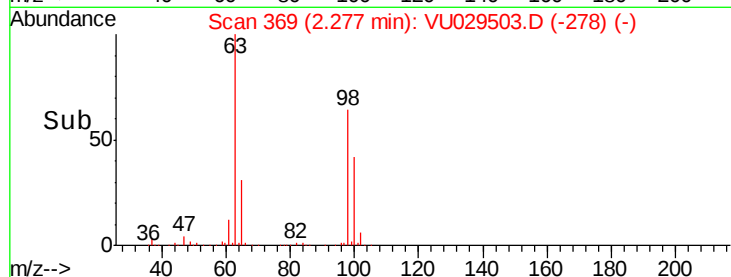
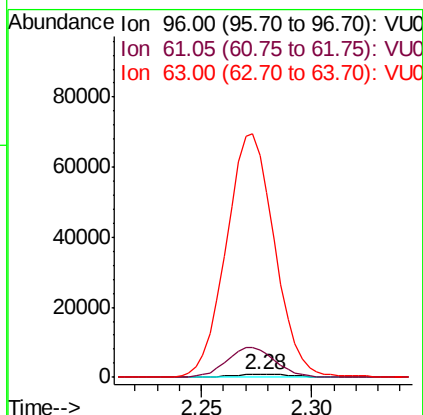
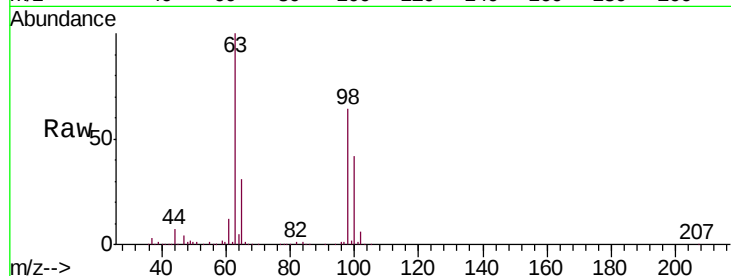




#12
 1,1-Dichloroethene
 Concen: 0.103 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VU029503.D
 Acq: 15 Feb 2019 18:08

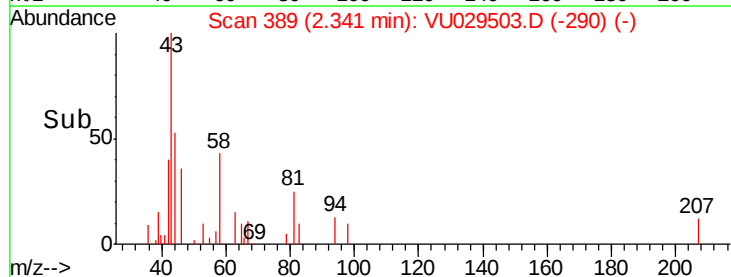
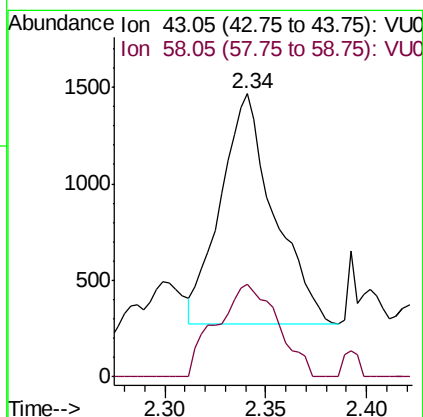
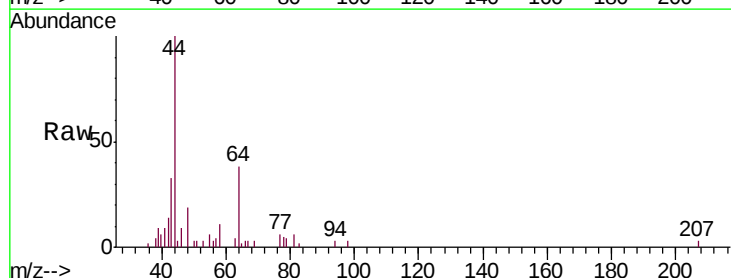
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXD4DL

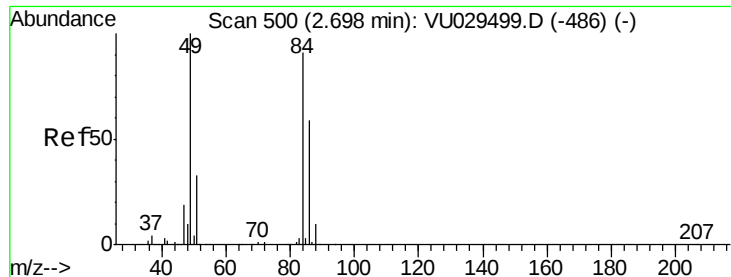
Tgt Ion: 96 Resp: 1640
 Ion Ratio Lower Upper
 96 100
 61 959.2 115.1 213.7#
 63 7765.3 83.5 155.1#



#13
 Acetone
 Concen: 0.901 ug/L
 RT: 2.34 min Scan# 389
 Delta R.T. 0.02 min
 Lab File: VU029503.D
 Acq: 15 Feb 2019 18:08

Tgt Ion: 43 Resp: 2213
 Ion Ratio Lower Upper
 43 100
 58 45.7 0.0 65.0

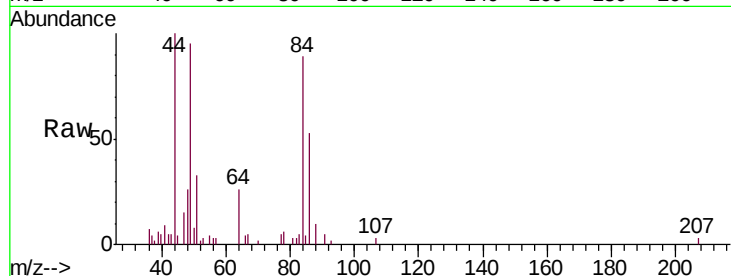




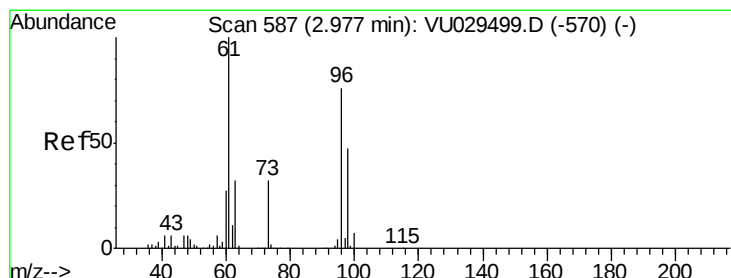
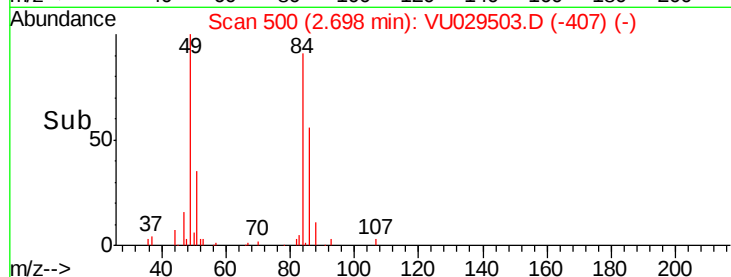
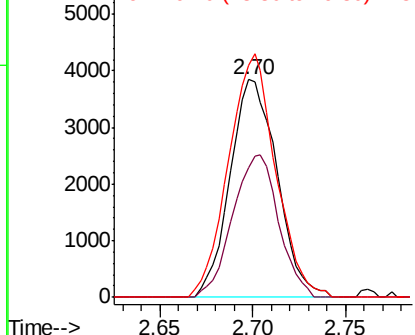
#16
Methylene chloride
Concen: 0.379 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029503.D
Acq: 15 Feb 2019 18:08

Instrument :
MSVOA_U
ClientSampleId :
ESXD4DL

Tgt Ion: 84 Resp: 6789
Ion Ratio Lower Upper
84 100
86 59.7 45.1 83.9
49 106.8 81.8 151.8

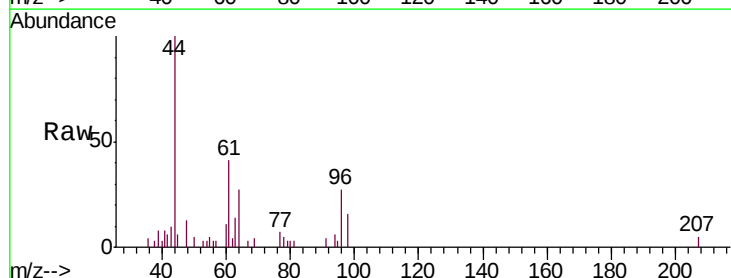


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

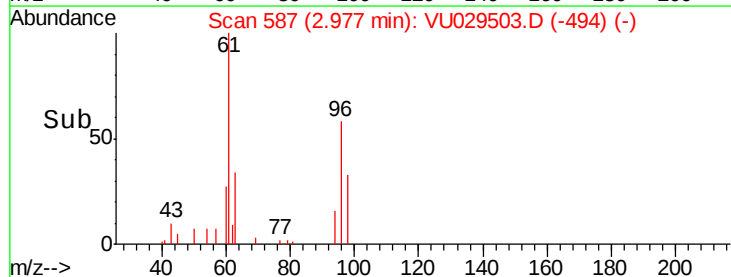
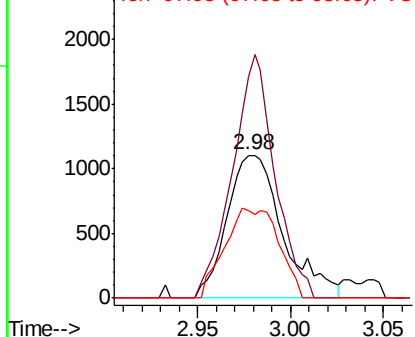


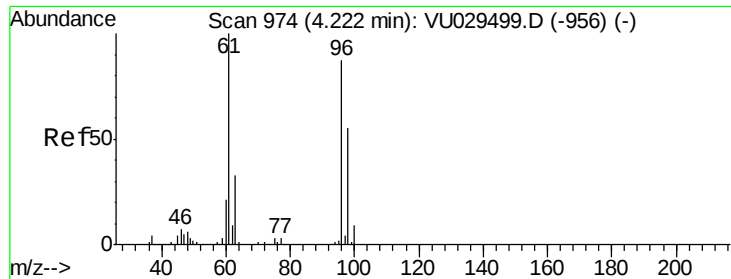
#18
trans-1,2-Dichloroethene
Concen: 0.137 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029503.D
Acq: 15 Feb 2019 18:08

Tgt Ion: 96 Resp: 2322
Ion Ratio Lower Upper
96 100
61 155.3 95.4 177.2
98 61.2 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: 5.352 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029503.D

Acq: 15 Feb 2019 18:08

Instrument :

MSVOA_U

ClientSampleId :

ESXD4DL

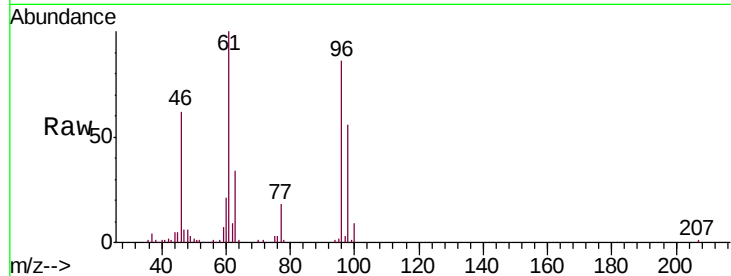
Tgt Ion: 96 Resp: 83647

Ion Ratio Lower Upper

96 100

61 115.8 79.9 148.5

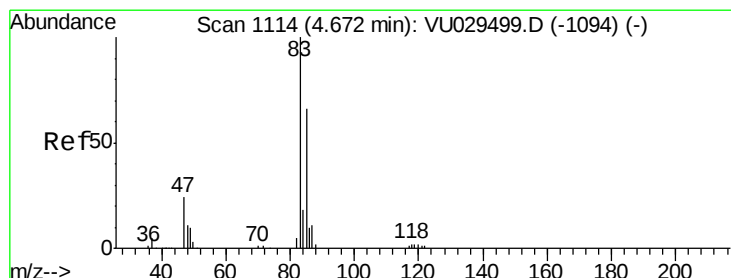
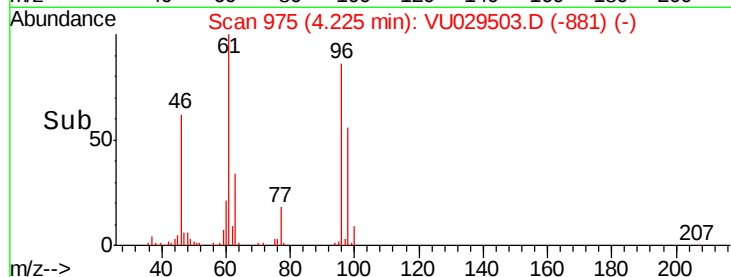
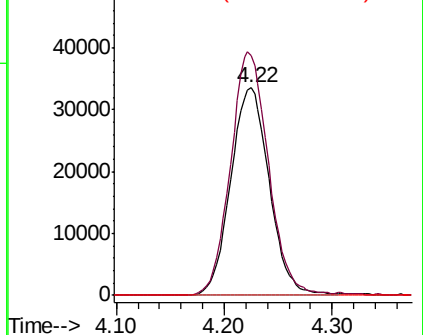
68 0.0 0.0 0.0



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: 0.079 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VU029503.D

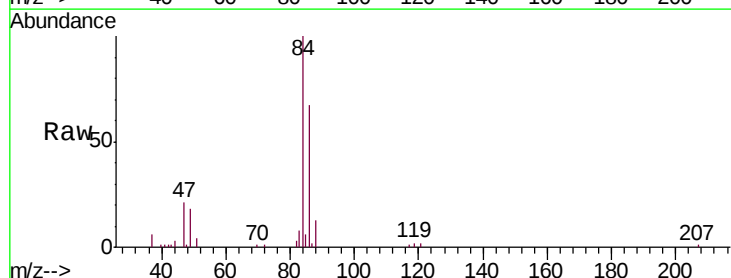
Acq: 15 Feb 2019 18:08

Tgt Ion: 83 Resp: 2025

Ion Ratio Lower Upper

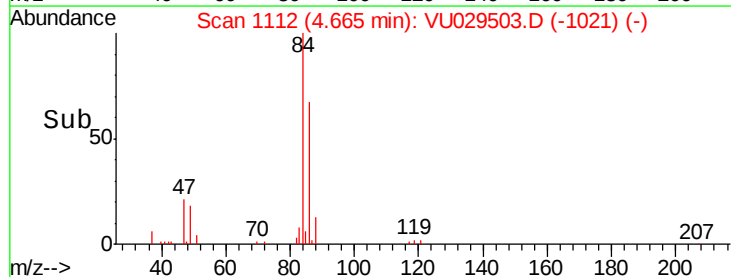
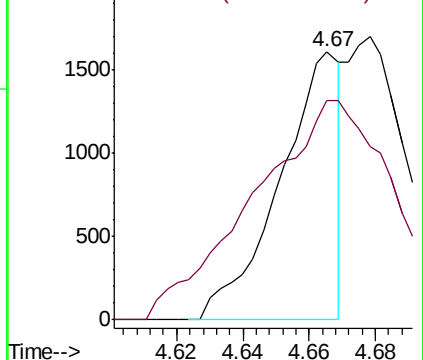
83 100

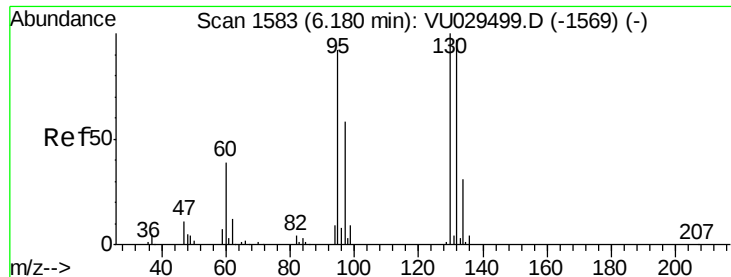
85 81.9 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

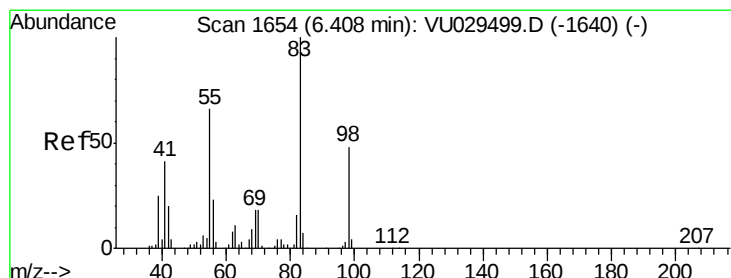
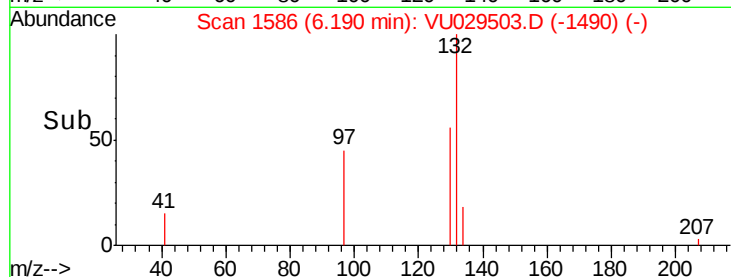
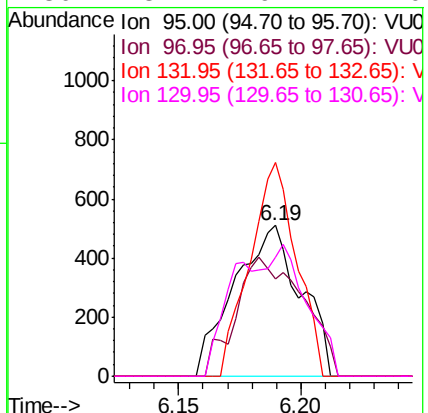
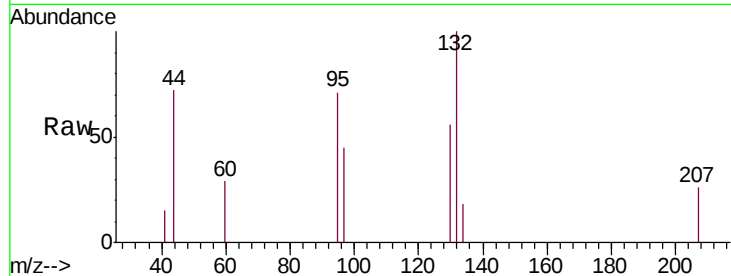




#34
 Trichloroethene
 Concen: 0.062 ug/L
 RT: 6.19 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VU029503.D
 Acq: 15 Feb 2019 18:08

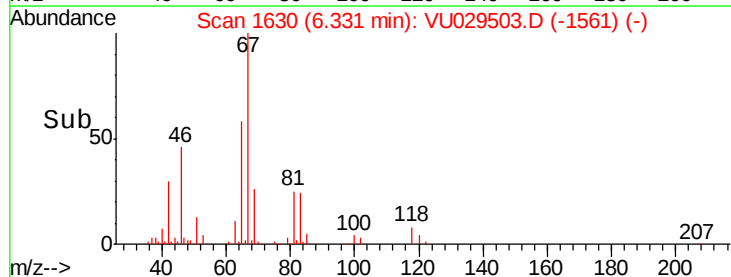
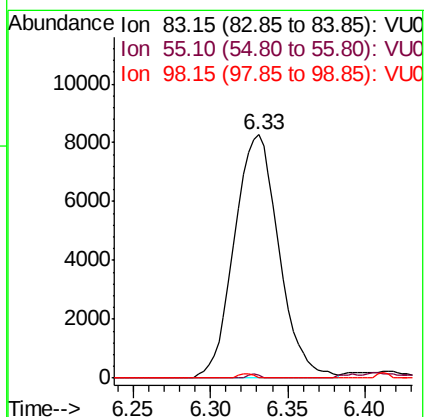
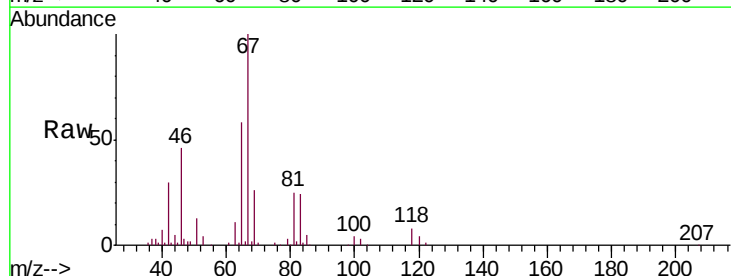
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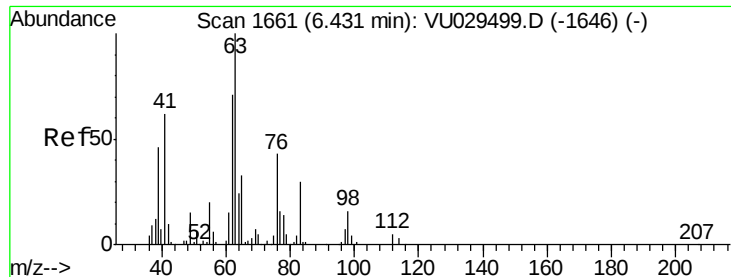
Tgt Ion: 95 Resp: 962
 Ion Ratio Lower Upper
 95 100
 97 64.2 46.3 86.1
 132 141.5 72.9 135.3#
 130 78.7 79.2 147.0#



#35
 Methylcyclohexane
 Concen: 0.639 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.08 min
 Lab File: VU029503.D
 Acq: 15 Feb 2019 18:08

Tgt Ion: 83 Resp: 16575
 Ion Ratio Lower Upper
 83 100
 55 0.5 55.9 83.9#
 98 0.5 38.6 57.8#

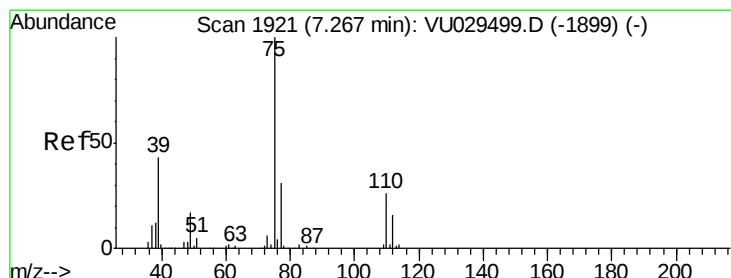
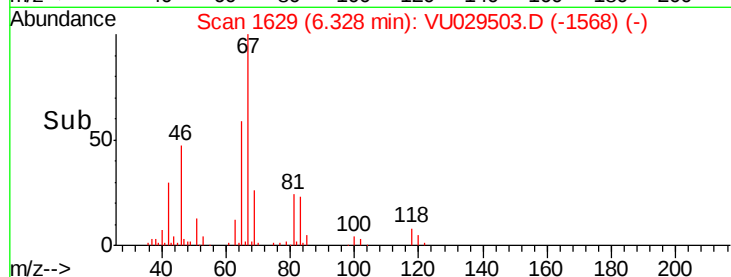
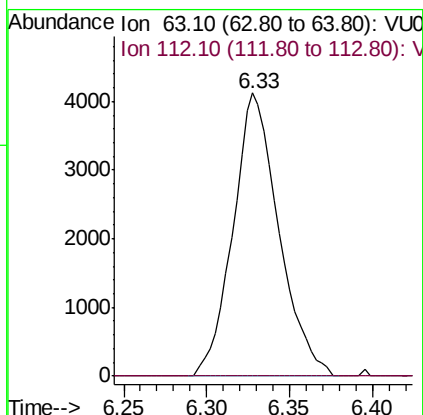
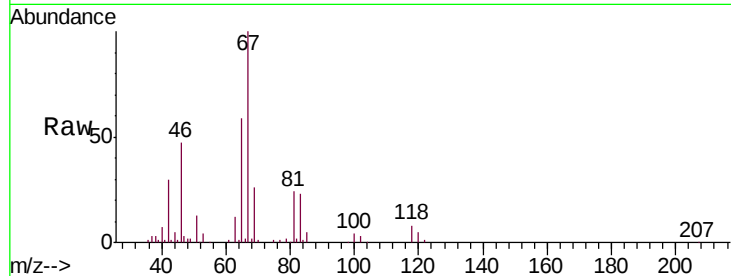




#37
 1,2-Dichloropropane
 Concen: 0.576 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029503.D
 Acq: 15 Feb 2019 18:08

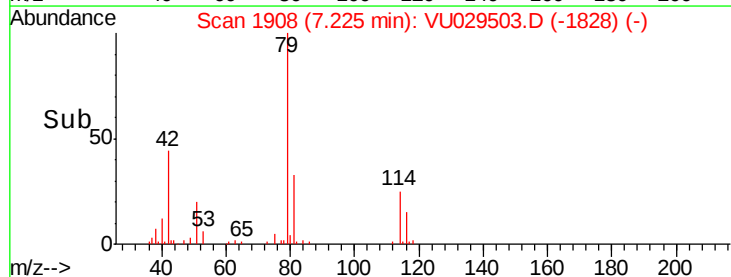
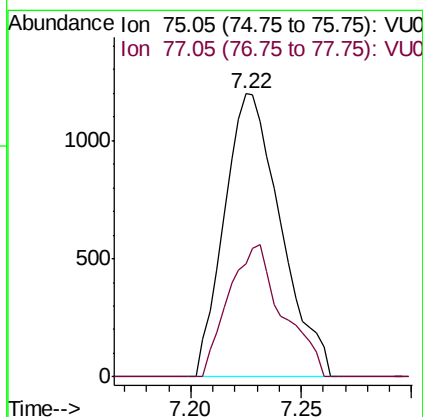
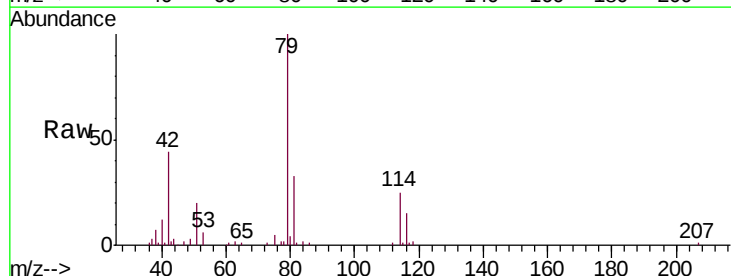
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXD4DL

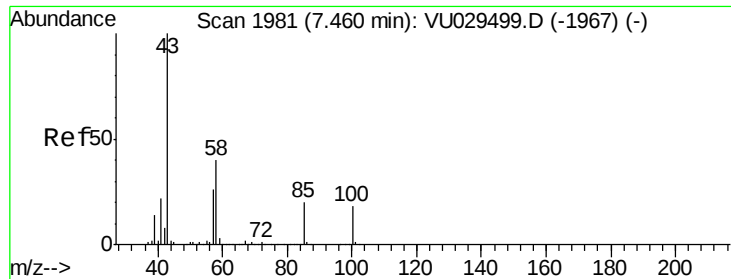
Tgt Ion: 63 Resp: 7914
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029503.D
 Acq: 15 Feb 2019 18:08

Tgt Ion: 75 Resp: 2128
 Ion Ratio Lower Upper
 75 100
 77 40.2 22.3 41.3

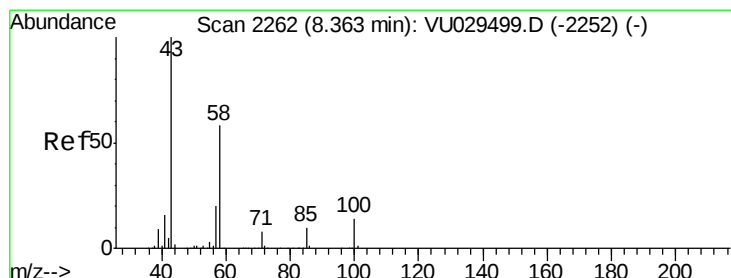
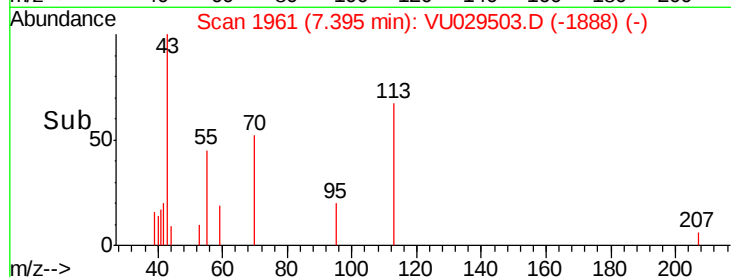
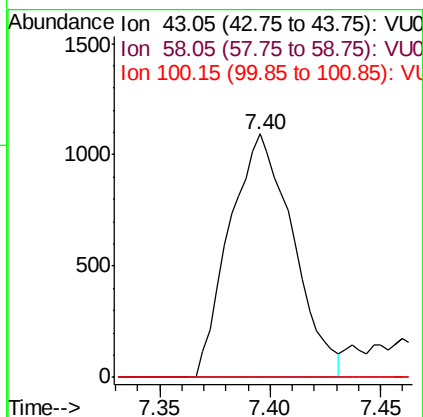
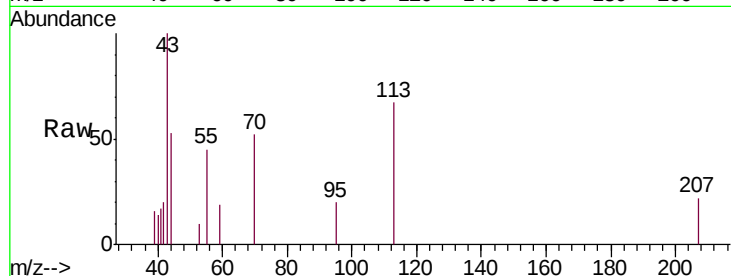




#40
 4-Methyl-2-pentanone
 Concen: 0.276 ug/L
 RT: 7.40 min Scan# 1961
 Delta R.T. -0.06 min
 Lab File: VU029503.D
 Acq: 15 Feb 2019 18:08

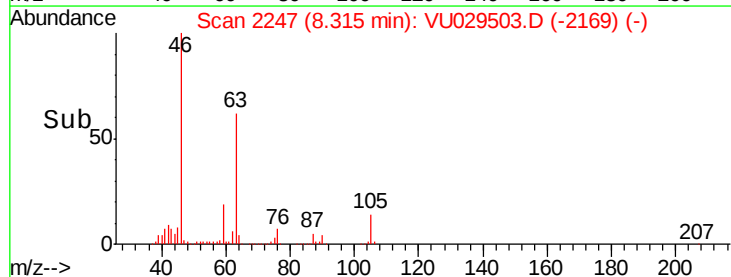
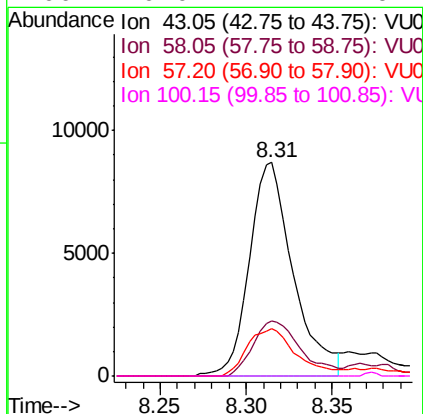
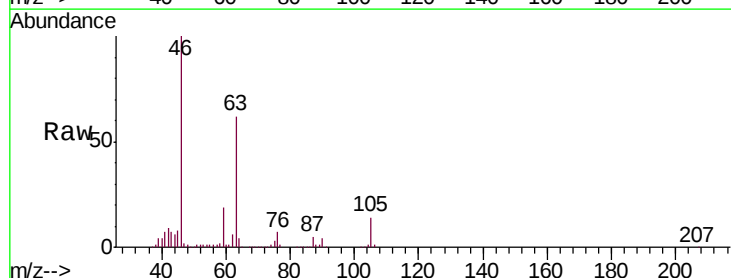
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXD4DL

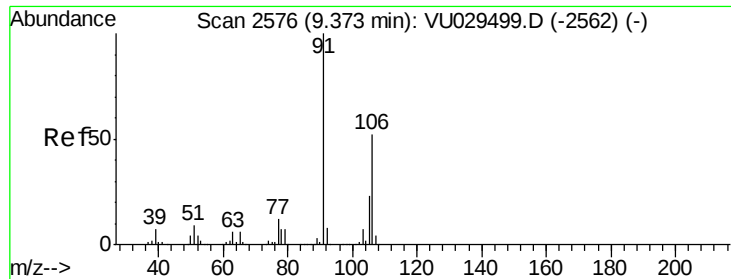
Tgt Ion: 43 Resp: 2186
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.4 50.2#
 100 0.0 14.4 21.6#



#48
 2-Hexanone
 Concen: 2.658 ug/L
 RT: 8.31 min Scan# 2247
 Delta R.T. -0.05 min
 Lab File: VU029503.D
 Acq: 15 Feb 2019 18:08

Tgt Ion: 43 Resp: 15341
 Ion Ratio Lower Upper
 43 100
 58 28.1 45.7 68.5#
 57 24.6 16.4 24.6#
 100 0.0 11.1 16.7#

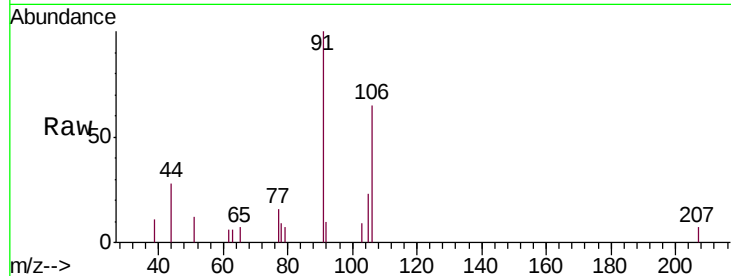




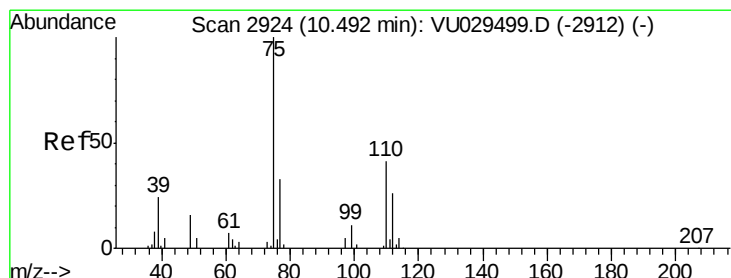
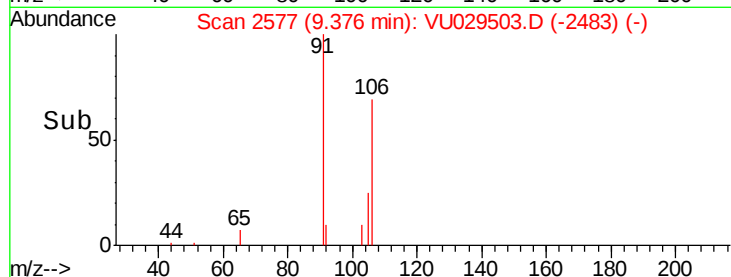
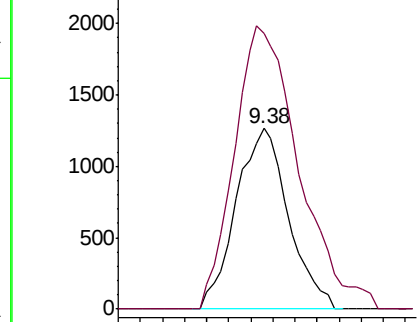
#53
m,p-xylene
Concen: 0.075 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU029503.D
Acq: 15 Feb 2019 18:08

Instrument :
MSVOA_U
ClientSampleId :
ESXD4DL

Tgt Ion: 106 Resp: 2091
Ion Ratio Lower Upper
106 100
91 153.0 135.7 251.9

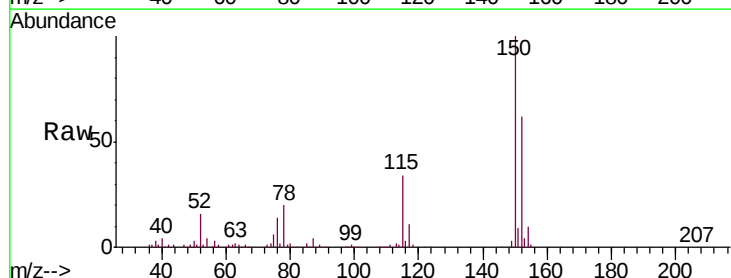


Abundance Ion 106.15 (105.85 to 106.85): VU029499.D (-2562) (-)
Ion 91.15 (90.85 to 91.85): VU029499.D (-2562) (-)



#59
1,2,3-Trichloropropane
Concen: 1.140 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029503.D
Acq: 15 Feb 2019 18:08

Tgt Ion: 75 Resp: 10049
Ion Ratio Lower Upper
75 100
77 36.3 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU029499.D (-2912) (-)
Ion 77.00 (76.70 to 77.70): VU029499.D (-2912) (-)

