

Data File : VU029440.D
Acq On : 13 Feb 2019 13:04
Operator : JC/SP
Sample : K1436-14DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXA7DL

Quant Time: Feb 14 00:21:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 14 00:18:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	207468	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	195643	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106613	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60177	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.68	69	58513	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.27	63	95513	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.21	46	139137	48.01	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.02%
24) Chloroform-d	4.65	84	99670	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.31	65	53682	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.34	84	221116	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.33	67	67521	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.56	98	212580	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	7.85	79	28875	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.31	63	141235	49.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56263	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	92977	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	27155	1.359 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	897	0.050 ug/L #	25
12) 1,1-Dichloroethene	2.28	96	1823	0.107 ug/L #	1
16) Methylene chloride	2.70	84	10116	0.527 ug/L	97
18) trans-1,2-Dichloroethene	2.98	96	3096	0.170 ug/L	87
22) cis-1,2-Dichloroethene	4.22	96	165174	9.863 ug/L	98
25) Chloroform	4.68	83	6561	0.239 ug/L	88
35) Methylcyclohexane	6.33	83	16495	0.606 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7418	0.514 ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	2248	0.099 ug/L #	46
48) 2-Hexanone	8.37	43	2634	0.435 ug/L #	92
59) 1,2,3-Trichloropropane	11.48	75	10667	1.153 ug/L	91

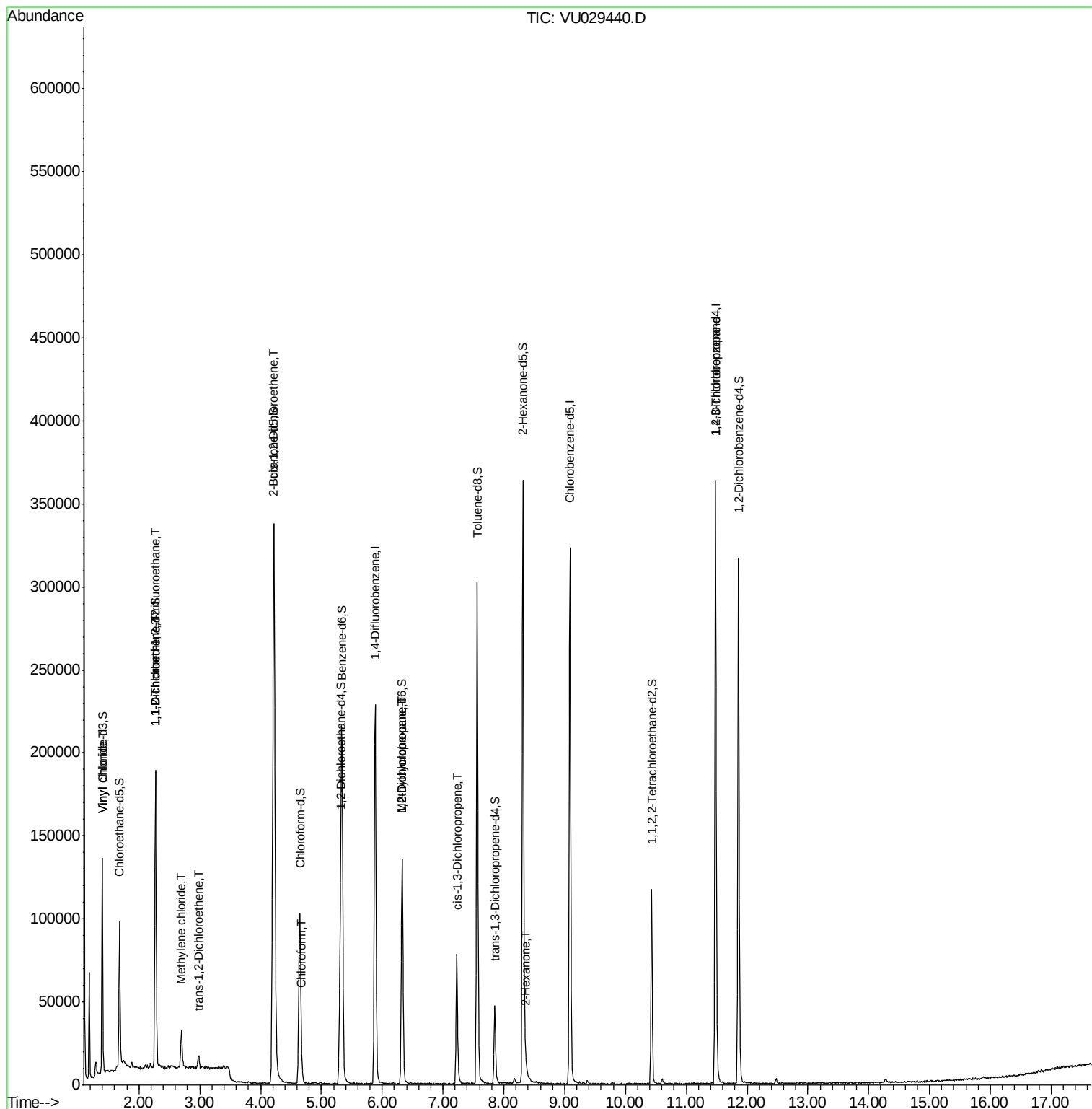
(#) = qualifier out of range (m) = manual integration (+) = signals summed

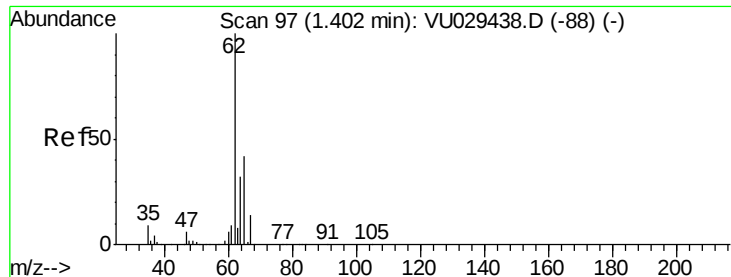
Data File : VU029440.D

```
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.359 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029440.D

Acq: 13 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

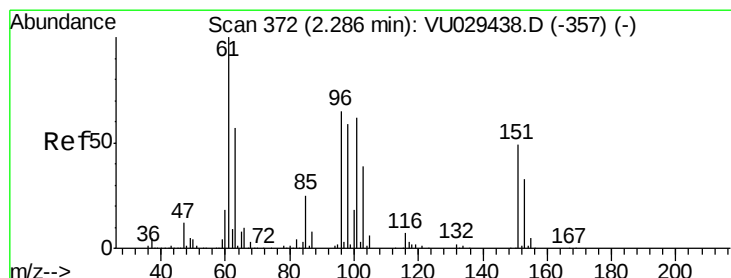
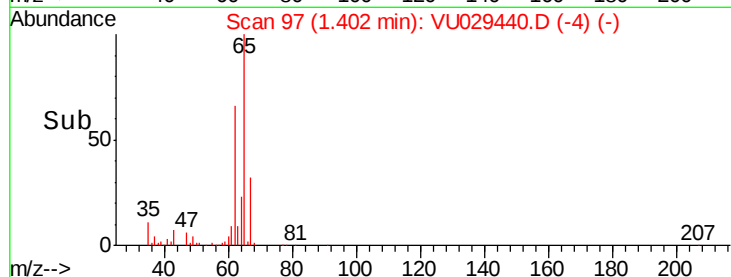
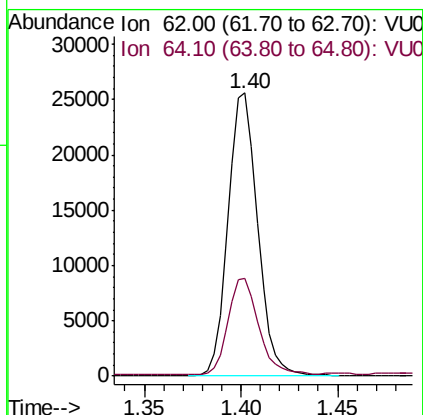
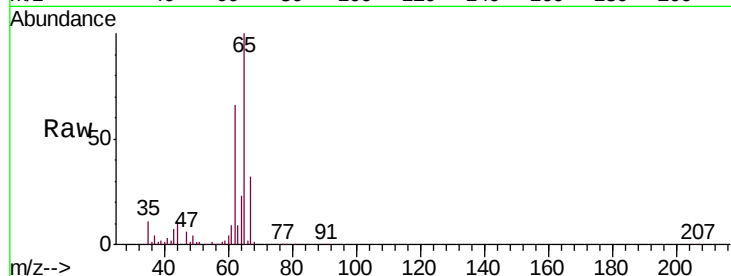
ESXA7DL

Tgt Ion: 62 Resp: 27155

Ion Ratio Lower Upper

62 100

64 34.7 23.5 43.7



#10

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

Concen: 0.050 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029440.D

Acq: 13 Feb 2019 13:04

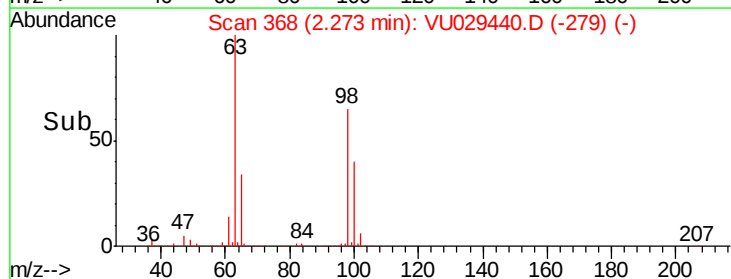
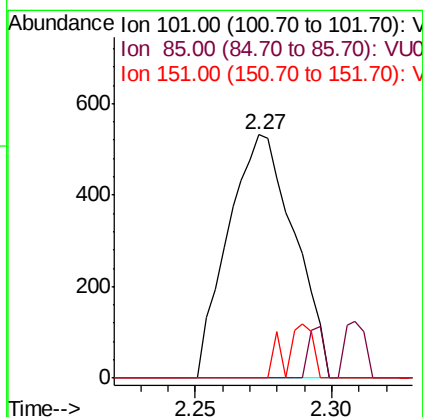
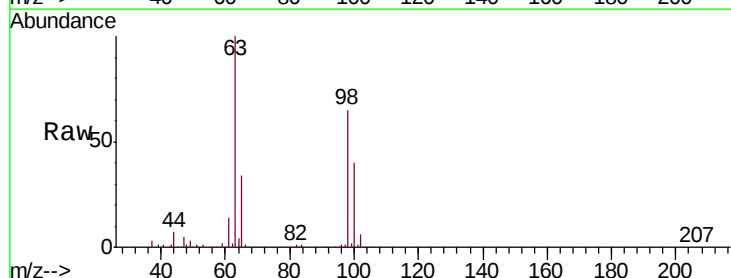
Tgt Ion: 101 Resp: 897

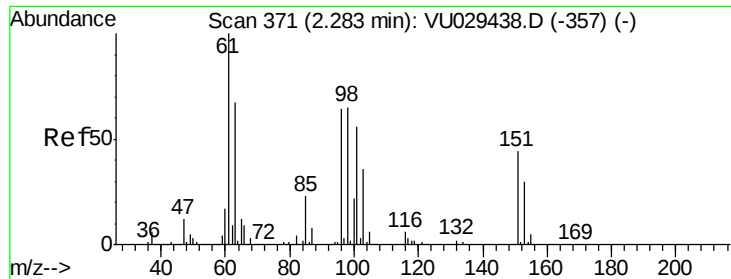
Ion Ratio Lower Upper

101 100

85 4.7 35.1 52.7#

151 9.1 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 0.107 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029440.D

Acq: 13 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

ESXA7DL

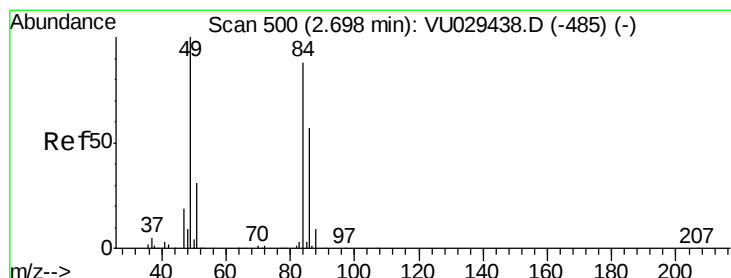
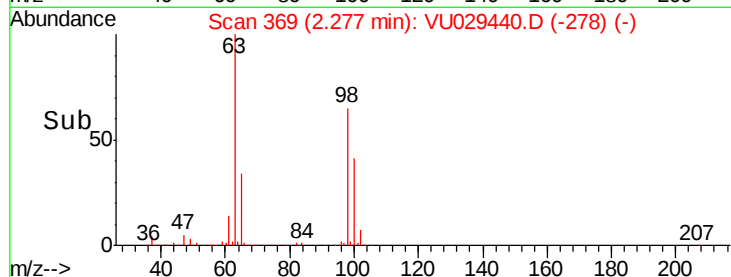
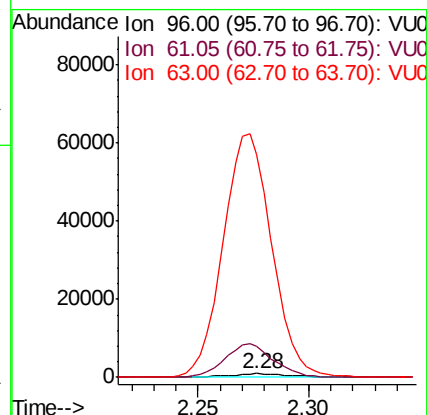
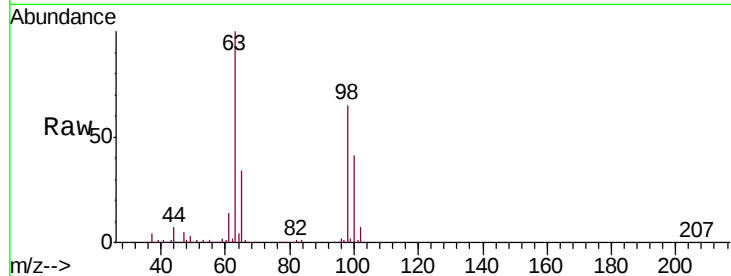
Tgt Ion: 96 Resp: 1823

Ion Ratio Lower Upper

96 100

61 818.6 115.1 213.7#

63 5972.1 83.5 155.1#



#16

Methylene chloride

Concen: 0.527 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU029440.D

Acq: 13 Feb 2019 13:04

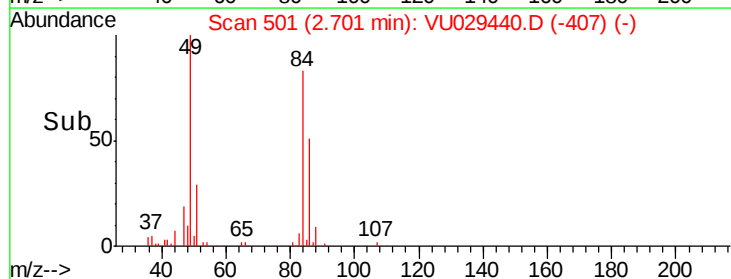
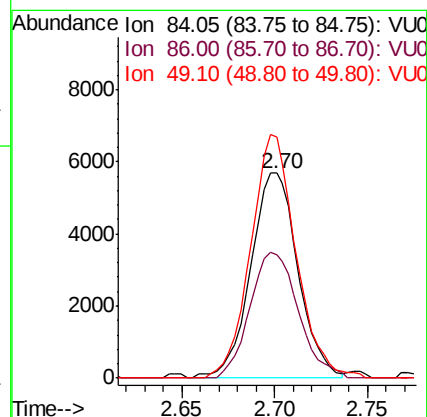
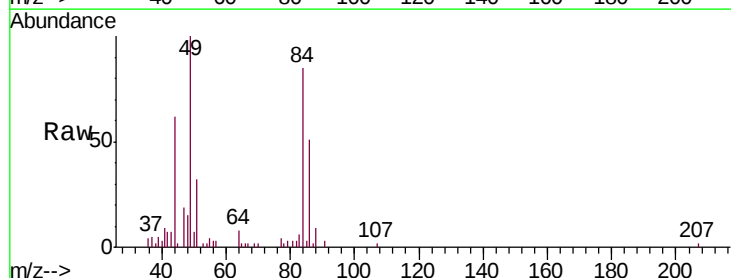
Tgt Ion: 84 Resp: 10116

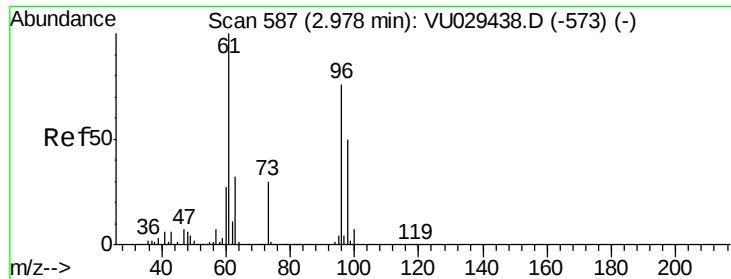
Ion Ratio Lower Upper

84 100

86 60.0 45.1 83.9

49 117.8 81.8 151.8

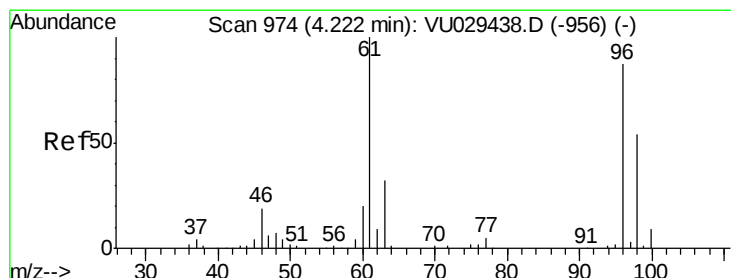
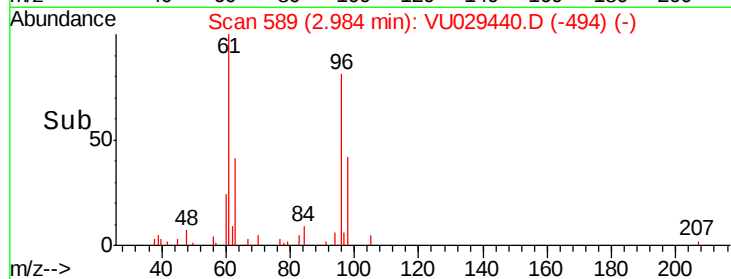
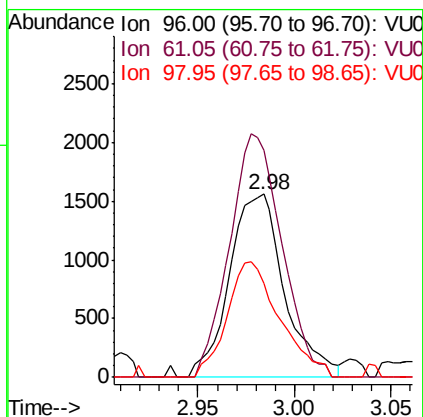
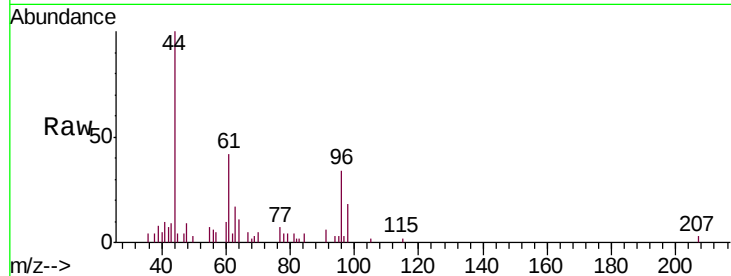




#18
trans-1,2-Dichloroethene
Concen: 0.170 ug/L
RT: 2.98 min Scan# 589
Delta R.T. 0.01 min
Lab File: VU029440.D
Acq: 13 Feb 2019 13:04

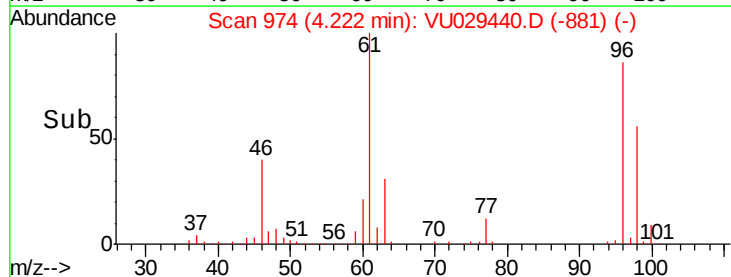
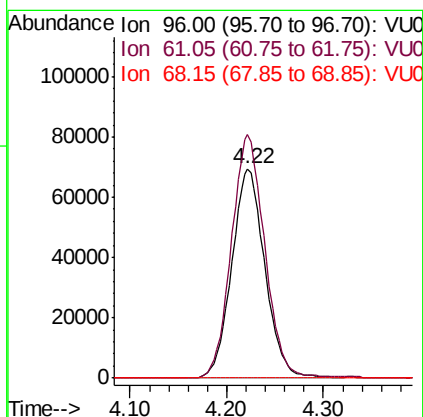
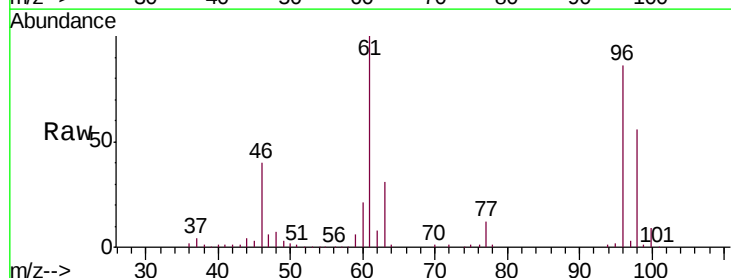
Instrument :
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ClientSampleId :
ESXA7DL

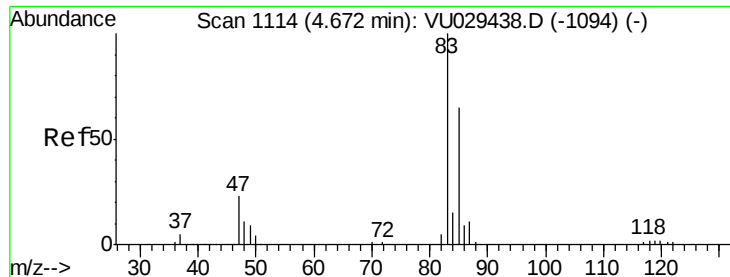
Tgt Ion: 96 Resp: 3096
Ion Ratio Lower Upper
96 100
61 123.7 95.4 177.2
98 51.3 45.8 85.2



#22
cis-1,2-Dichloroethene
Concen: 9.863 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU029440.D
Acq: 13 Feb 2019 13:04

Tgt Ion: 96 Resp: 165174
Ion Ratio Lower Upper
96 100
61 116.3 79.9 148.5
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.239 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. 0.01 min

Lab File: VU029440.D

Acq: 13 Feb 2019 13:04

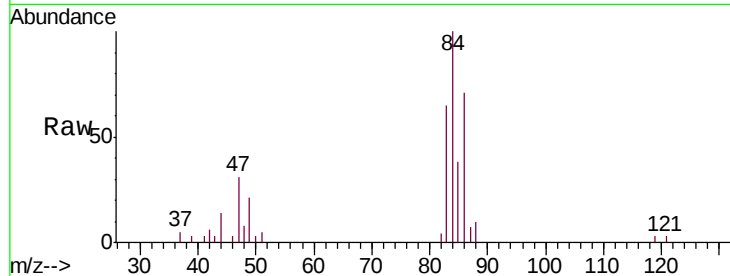
Instrument :
MSVOA_U
ClientSampleId :
ESXA7DL

Tgt Ion: 83 Resp: 6561

Ion Ratio Lower Upper

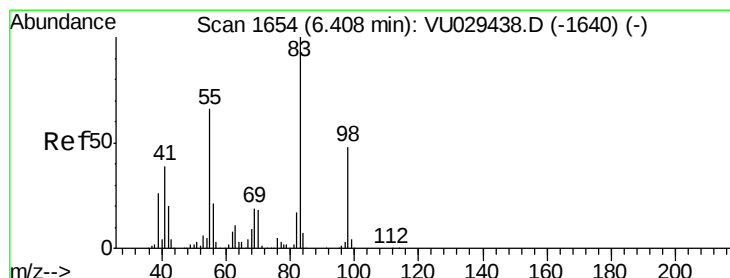
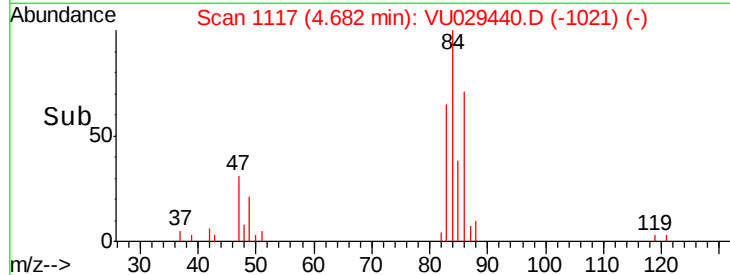
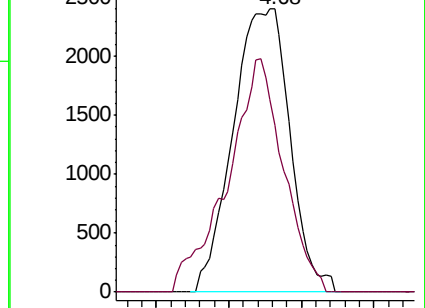
83 100

85 58.9 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#35

Methylcyclohexane

Concen: 0.606 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029440.D

Acq: 13 Feb 2019 13:04

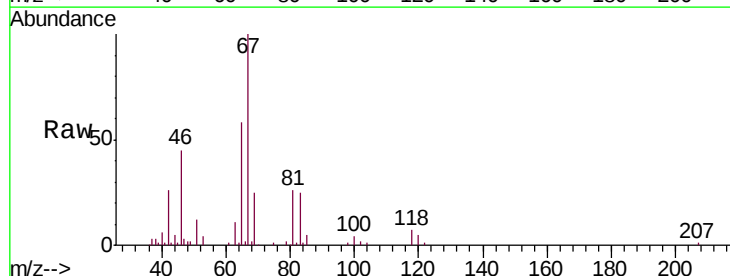
Tgt Ion: 83 Resp: 16495

Ion Ratio Lower Upper

83 100

55 0.4 55.9 83.9#

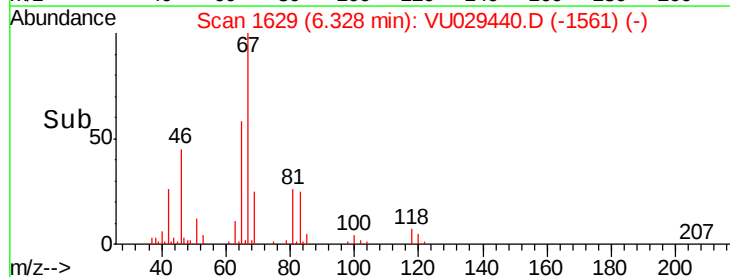
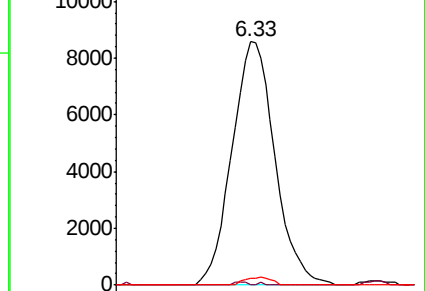
98 0.0 38.6 57.8#

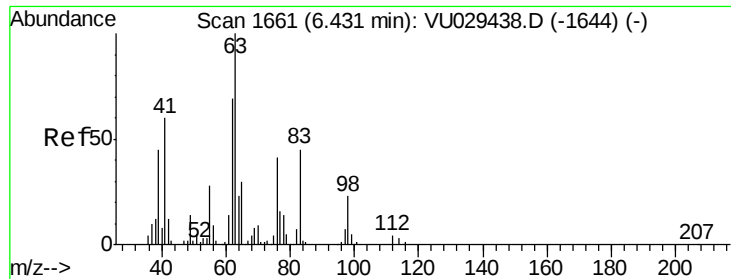


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.514 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU029440.D

Acq: 13 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

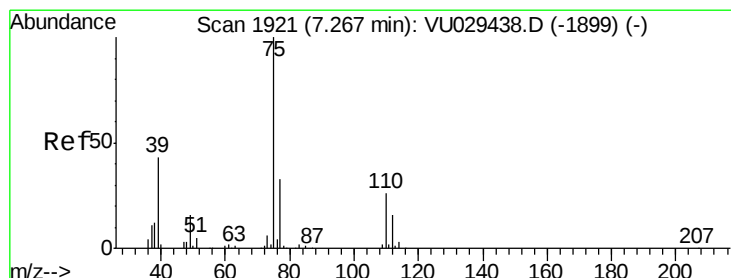
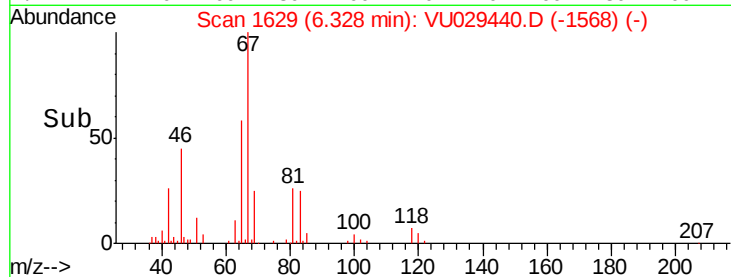
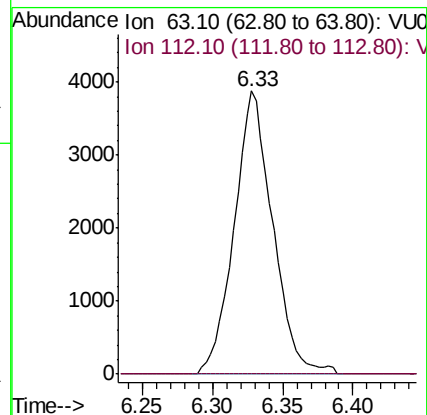
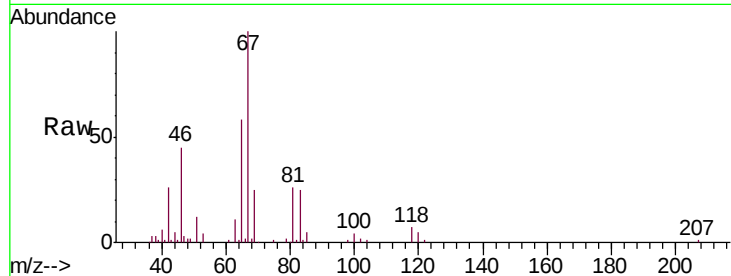
ESXA7DL

Tgt Ion: 63 Resp: 7418

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029440.D

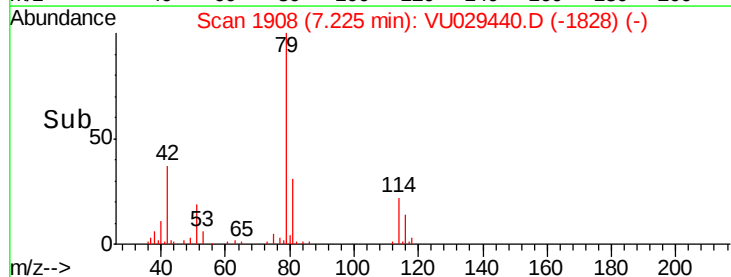
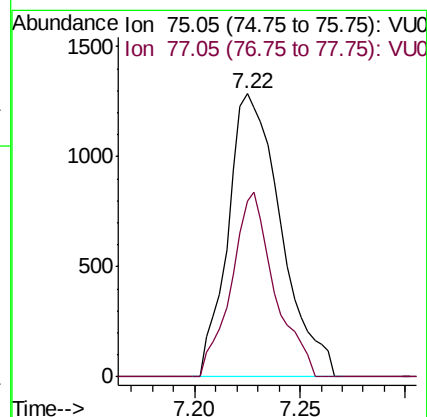
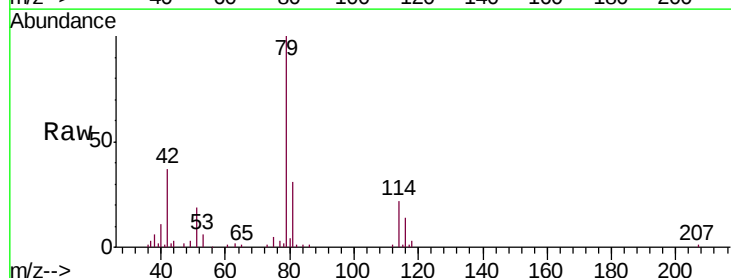
Acq: 13 Feb 2019 13:04

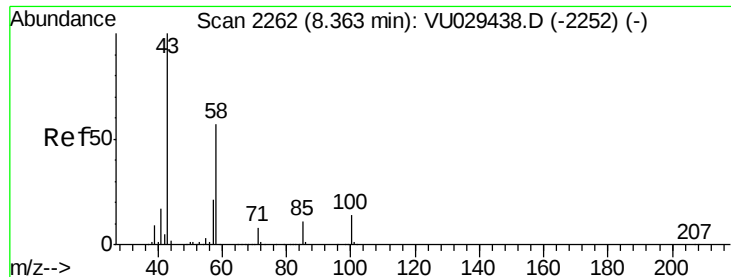
Tgt Ion: 75 Resp: 2248

Ion Ratio Lower Upper

75 100

77 62.1 22.3 41.3#

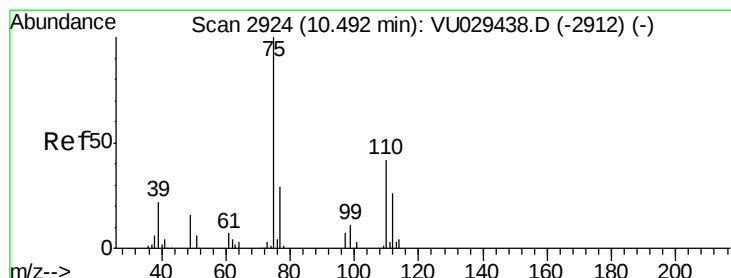
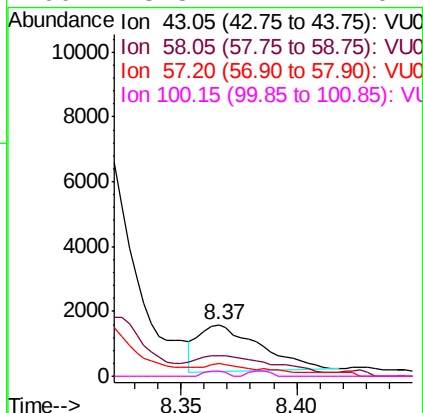
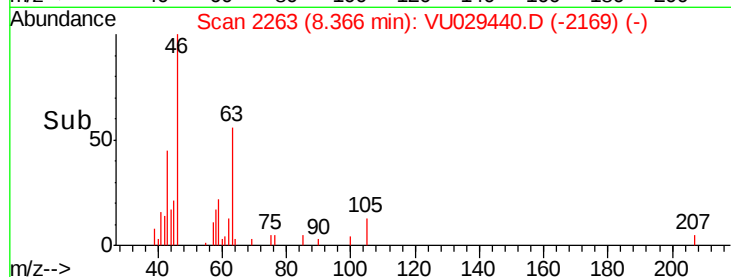
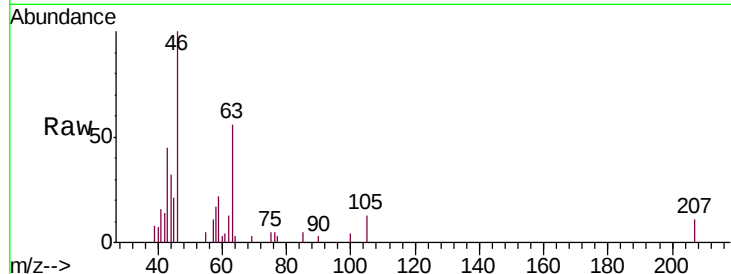




#48
 2-Hexanone
 Concen: 0.435 ug/L
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VU029440.D
 Acq: 13 Feb 2019 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXA7DL

Tgt Ion: 43 Resp: 2634
 Ion Ratio Lower Upper
 43 100
 58 59.8 45.7 68.5
 57 16.2 16.4 24.6#
 100 3.8 11.1 16.7#



#59
 1,2,3-Trichloropropane
 Concen: 1.153 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU029440.D
 Acq: 13 Feb 2019 13:04

Tgt Ion: 75 Resp: 10667
 Ion Ratio Lower Upper
 75 100
 77 40.5 28.2 42.2

