

Data File : VU029505.D
Acq On : 15 Feb 2019 18:55
Operator : JC/SP
Sample : K1438-16DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXD8DL

Quant Time: Feb 16 00:17:50 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	181595	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	177807	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93333	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61905	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.68	69	60104	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.60%
11) 1,1-Dichloroethene-d2	2.27	63	100847	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	4.21	46	136805	53.93	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.86%
24) Chloroform-d	4.65	84	100415	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.31	65	56367	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.34	84	221835	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.33	67	65395	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.56	98	225334	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	7.85	79	26915	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.31	63	140234	53.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57807	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	98023	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

					Qvalue
3) Chloromethane	1.30	50	2482	0.165 ug/L #	72
5) Vinyl chloride	1.40	62	106137	6.069 ug/L	98
8) Chloroethane	1.55	64	91818	8.063 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1249	0.079 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1326	0.089 ug/L #	1
13) Acetone	2.35	43	3209	1.392 ug/L	98
16) Methylene chloride	2.70	84	7519	0.448 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	5604	0.352 ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	84783	5.784 ug/L	94
25) Chloroform	4.68	83	4658	0.194 ug/L	100
30) Cyclohexane	4.99	56	13736	0.652 ug/L	99
35) Methylcyclohexane	6.41	83	8710	0.352 ug/L	97
37) 1,2-Dichloropropane	6.33	63	7085	0.540 ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	1992	0.097 ug/L #	65
48) 2-Hexanone	8.31	43	15576	2.828 ug/L #	68
59) 1,2,3-Trichloropropane	11.48	75	9997	1.189 ug/L	98

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

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Response via : Initial Calibration

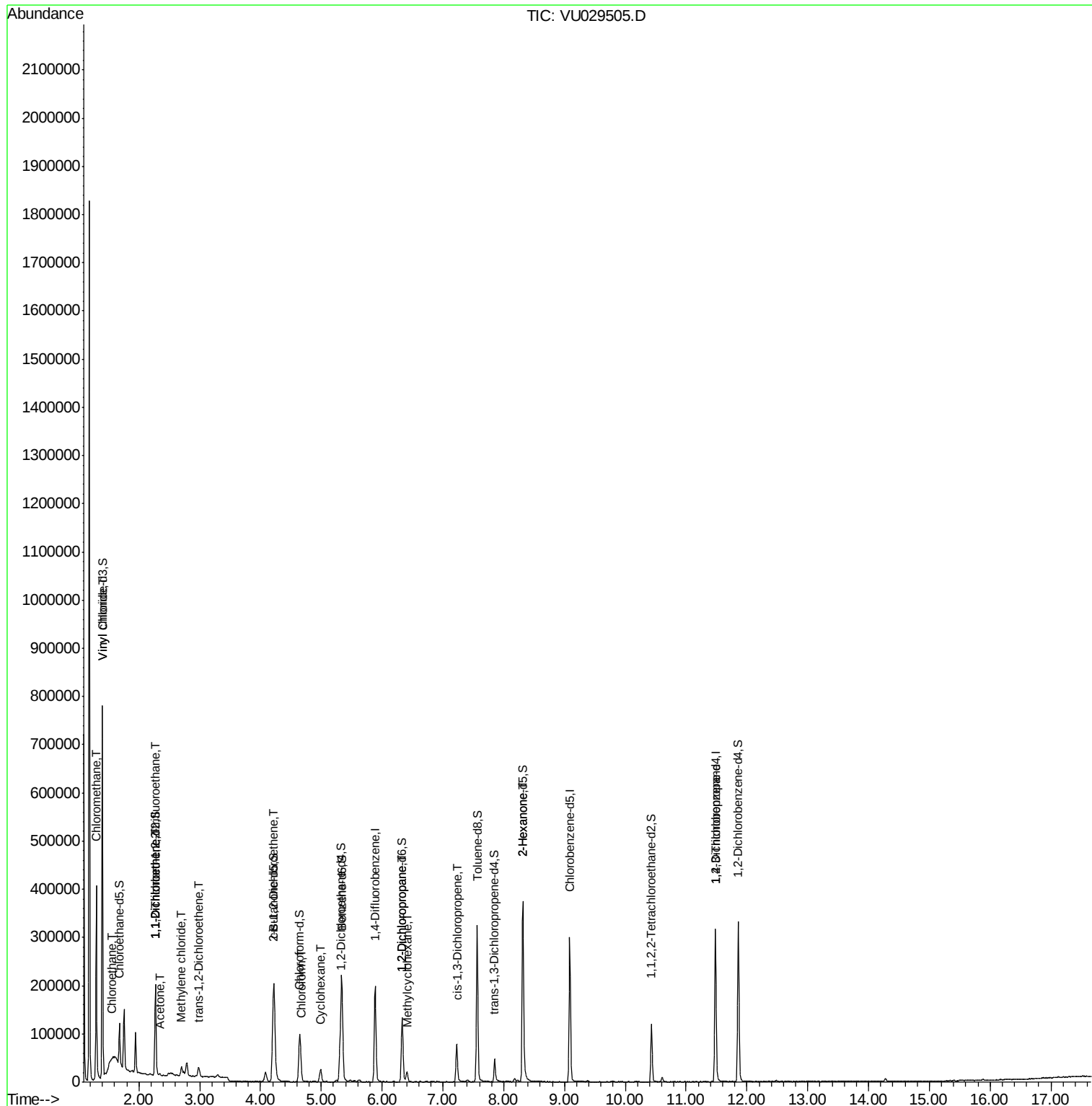
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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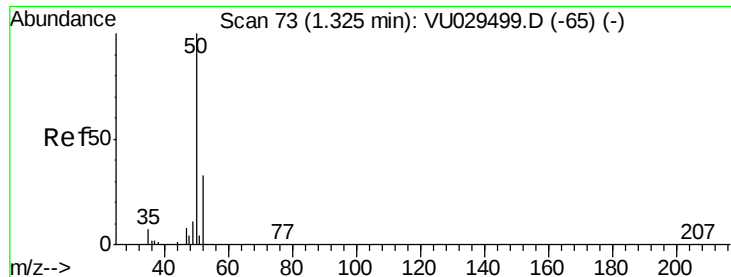
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.165 ug/L

RT: 1.30 min Scan# 65

Delta R.T. -0.03 min

Lab File: VU029505.D

Acq: 15 Feb 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

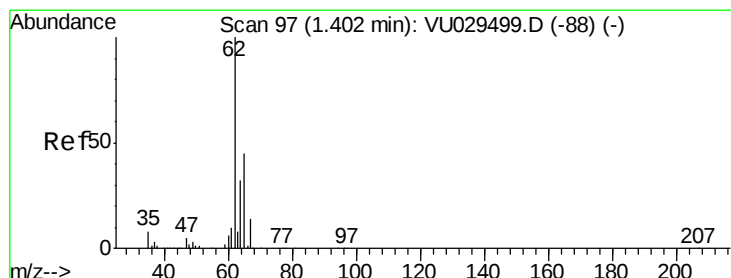
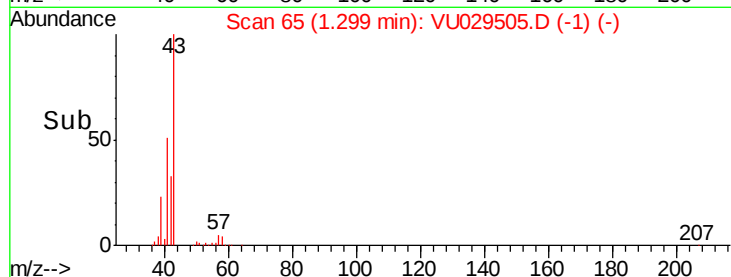
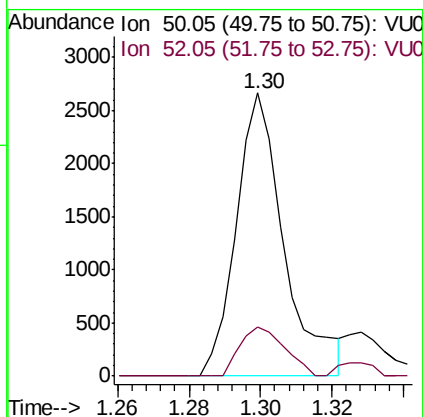
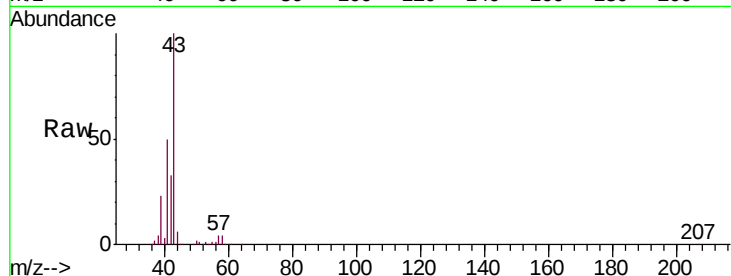
ESXD8DL

Tgt Ion: 50 Resp: 2482

Ion Ratio Lower Upper

50 100

52 17.4 23.1 42.9#



#5

Vinyl chloride

Concen: 6.069 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029505.D

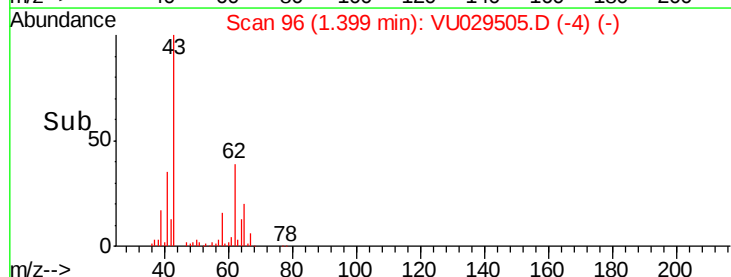
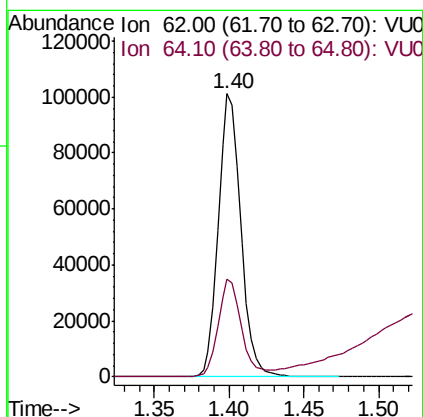
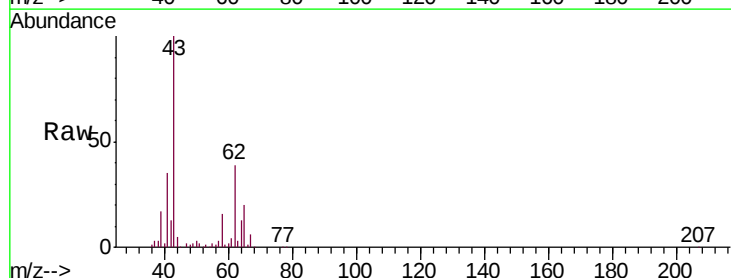
Acq: 15 Feb 2019 18:55

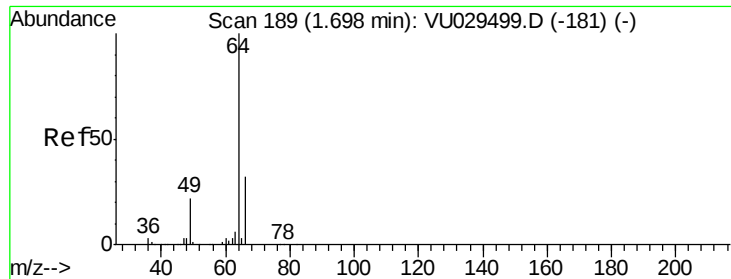
Tgt Ion: 62 Resp: 106137

Ion Ratio Lower Upper

62 100

64 34.5 23.5 43.7





#8

Chloroethane

Concen: 8.063 ug/L

RT: 1.55 min Scan# 143

Delta R.T. -0.15 min

Lab File: VU029505.D

Acq: 15 Feb 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

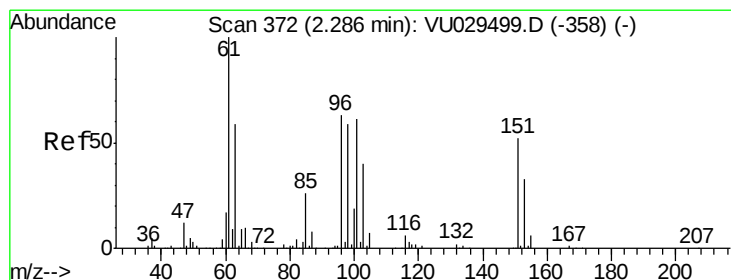
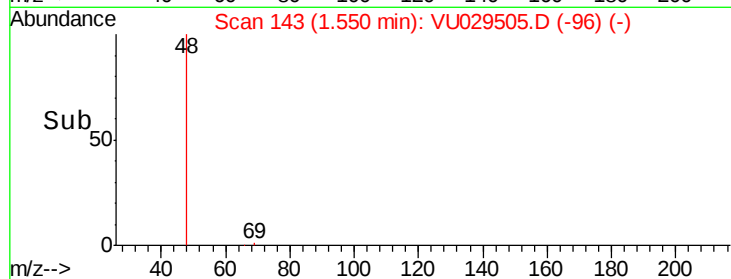
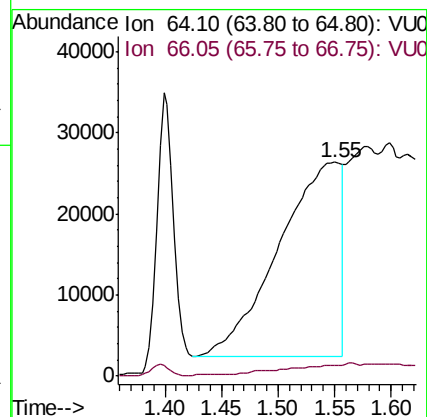
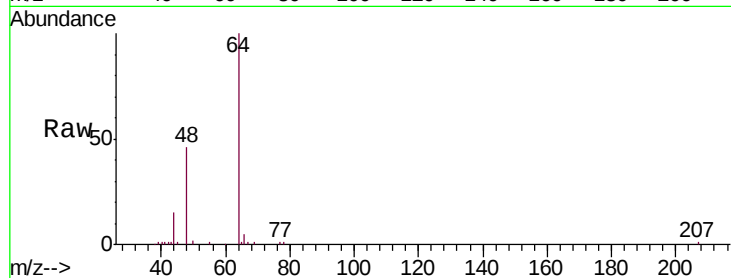
ESXD8DL

Tgt Ion: 64 Resp: 91818

Ion Ratio Lower Upper

64 100

66 5.1 22.0 40.8#



#10

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

Concen: 0.079 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029505.D

Acq: 15 Feb 2019 18:55

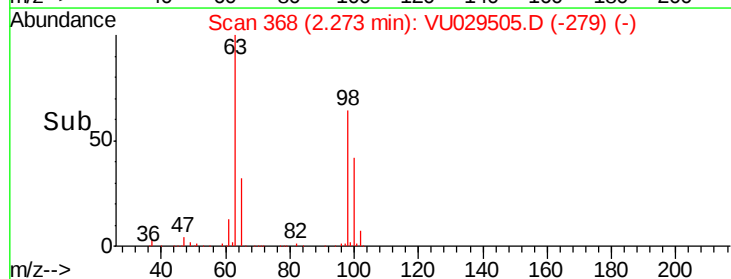
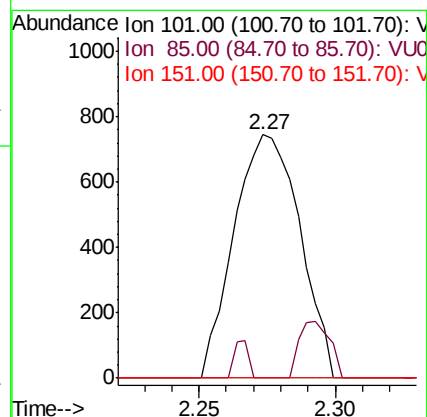
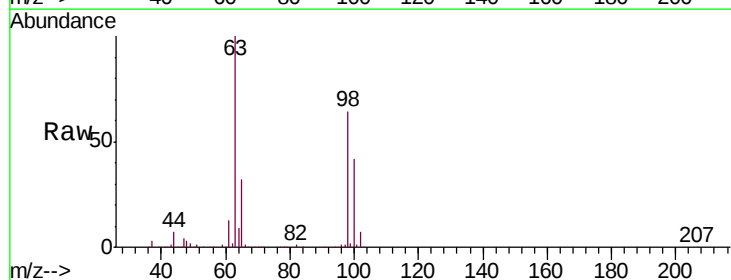
Tgt Ion: 101 Resp: 1249

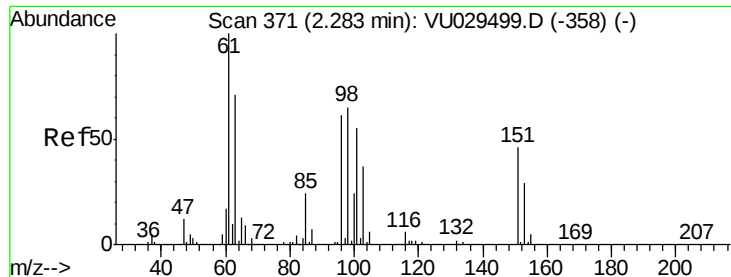
Ion Ratio Lower Upper

101 100

85 3.5 35.1 52.7#

151 0.0 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 0.089 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029505.D

Acq: 15 Feb 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

ESXD8DL

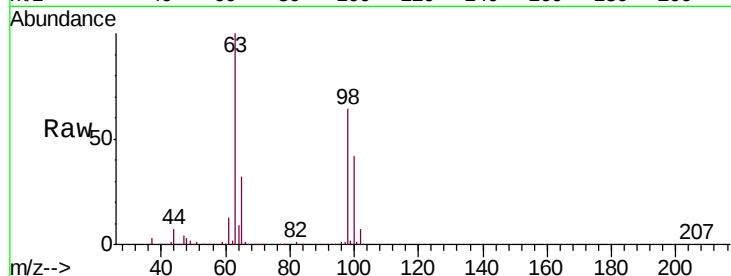
Tgt Ion: 96 Resp: 1326

Ion Ratio Lower Upper

96 100

61 1174.2 115.1 213.7#

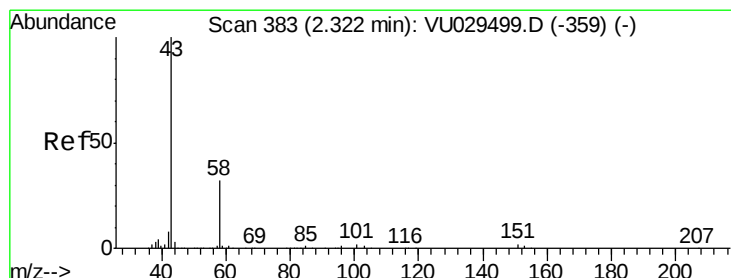
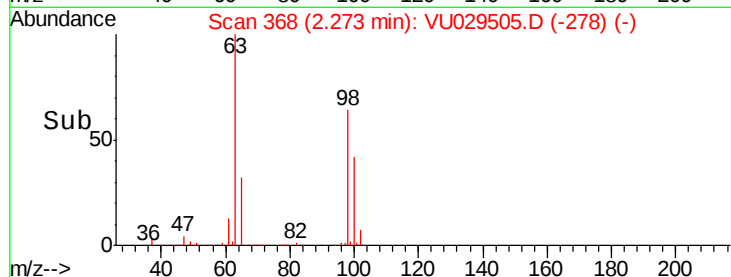
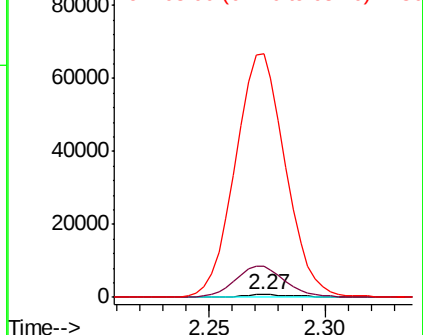
63 9307.7 83.5 155.1#



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



#13

Acetone

Concen: 1.392 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.03 min

Lab File: VU029505.D

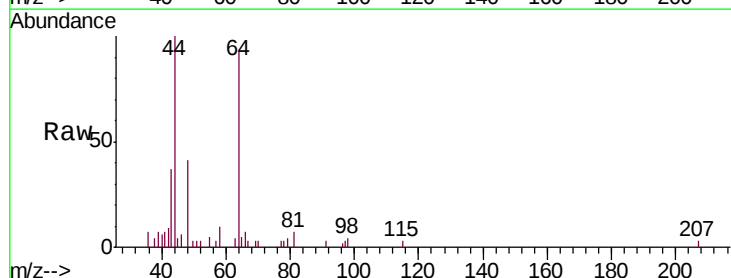
Acq: 15 Feb 2019 18:55

Tgt Ion: 43 Resp: 3209

Ion Ratio Lower Upper

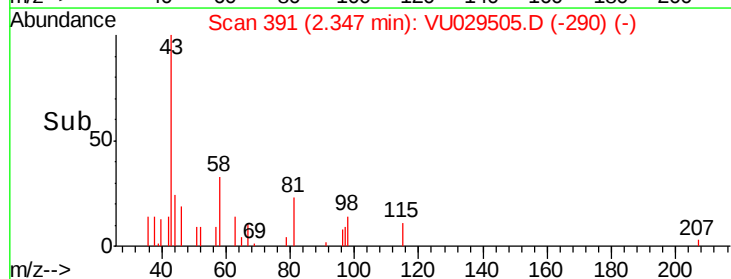
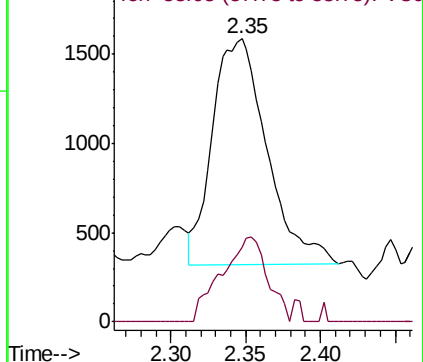
43 100

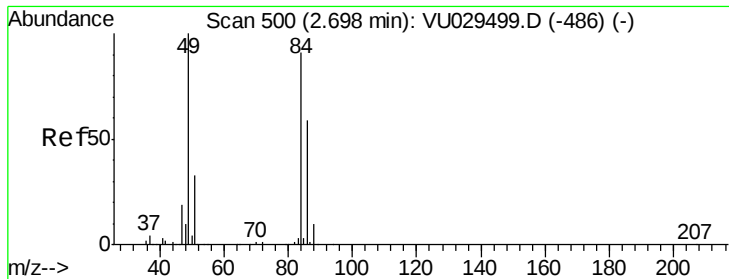
58 31.6 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

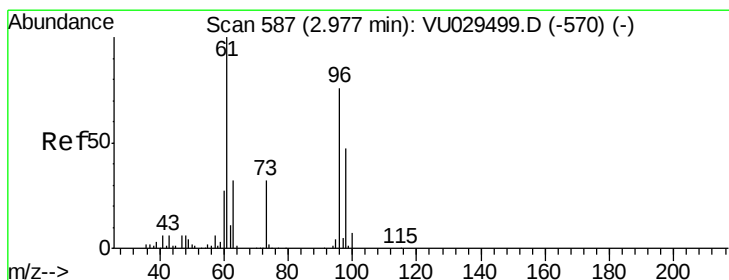
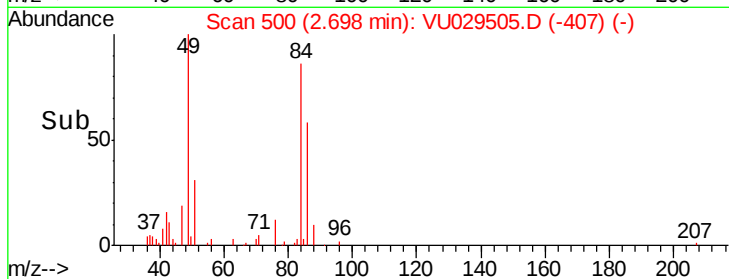
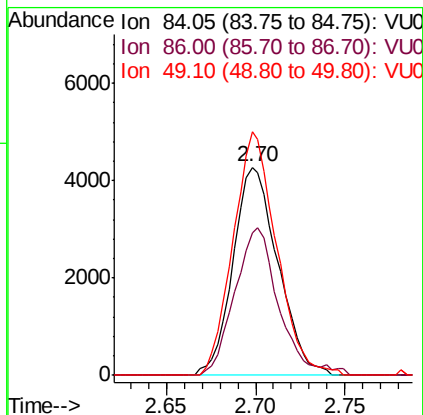
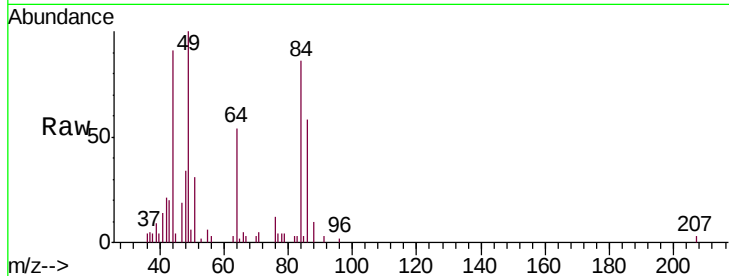




#16
Methylene chloride
Concen: 0.448 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029505.D
Acq: 15 Feb 2019 18:55

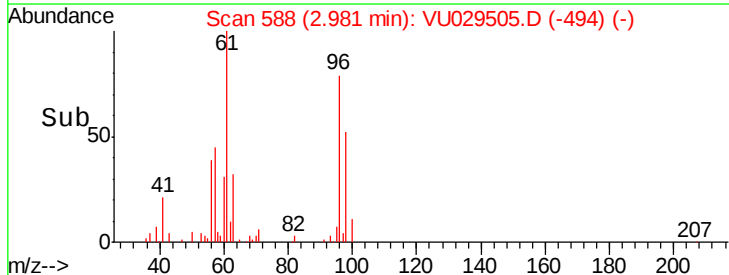
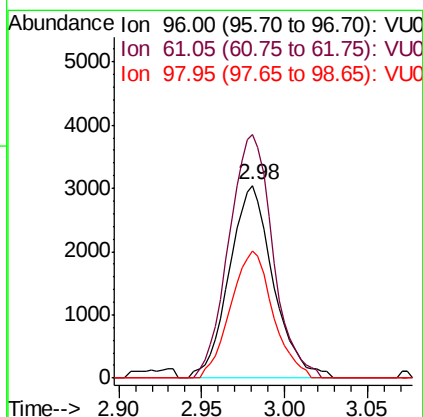
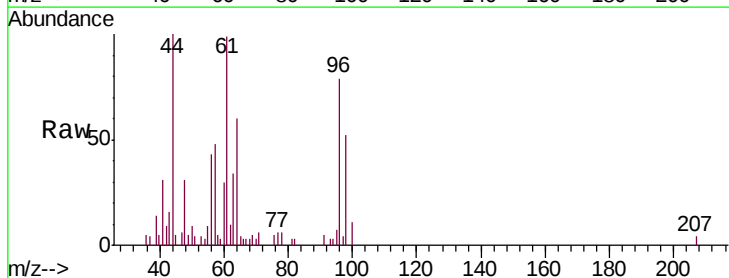
Instrument :
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ClientSampleId :
ESXD8DL

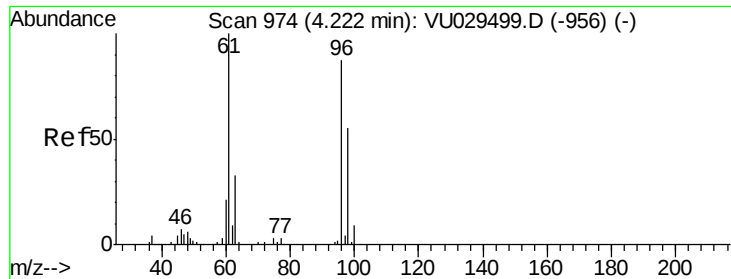
Tgt Ion: 84 Resp: 7519
Ion Ratio Lower Upper
84 100
86 68.3 45.1 83.9
49 116.9 81.8 151.8



#18
trans-1,2-Dichloroethene
Concen: 0.352 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029505.D
Acq: 15 Feb 2019 18:55

Tgt Ion: 96 Resp: 5604
Ion Ratio Lower Upper
96 100
61 126.1 95.4 177.2
98 65.6 45.8 85.2



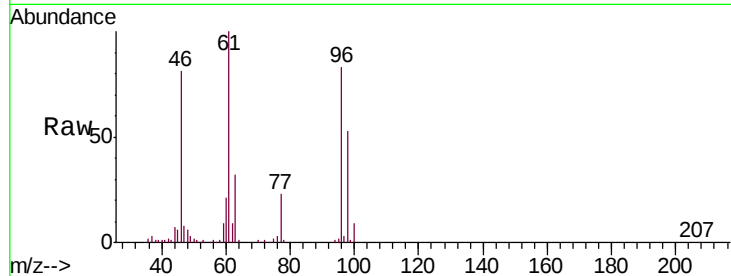


#22

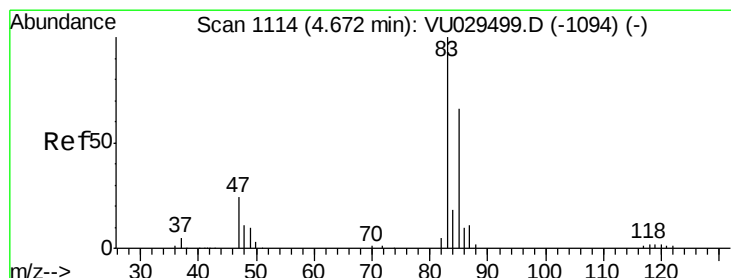
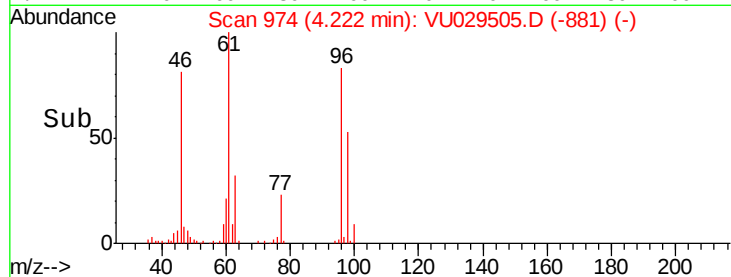
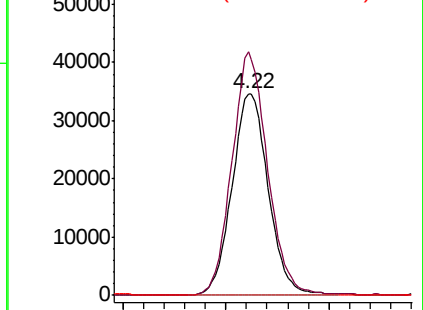
cis-1,2-Dichloroethene
 Concen: 5.784 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029505.D
 Acq: 15 Feb 2019 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXD8DL

Tgt Ion: 96 Resp: 84783
 Ion Ratio Lower Upper
 96 100
 61 120.7 79.9 148.5
 68 0.0 0.0 0.0



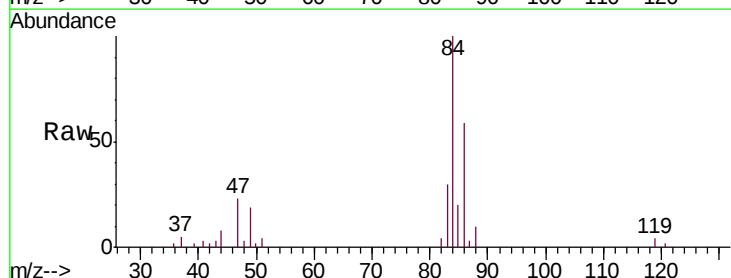
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



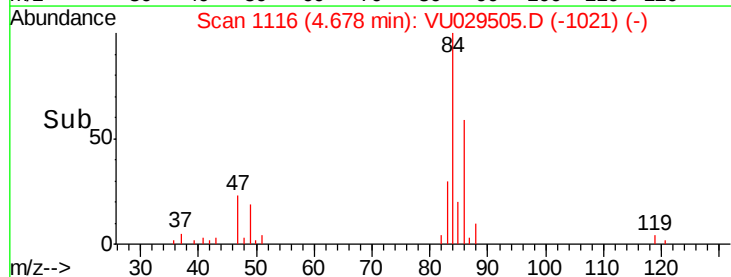
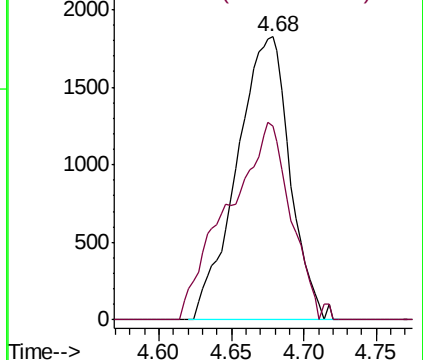
#25

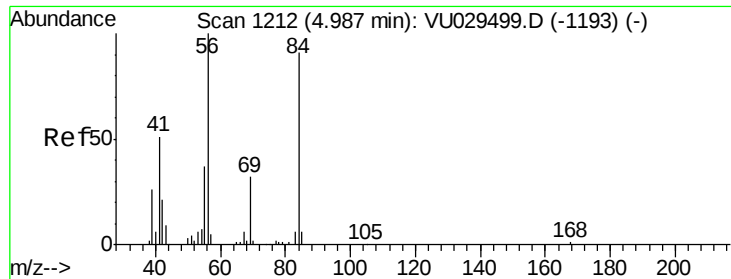
Chloroform
 Concen: 0.194 ug/L
 RT: 4.68 min Scan# 1116
 Delta R.T. 0.01 min
 Lab File: VU029505.D
 Acq: 15 Feb 2019 18:55

Tgt Ion: 83 Resp: 4658
 Ion Ratio Lower Upper
 83 100
 85 68.6 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

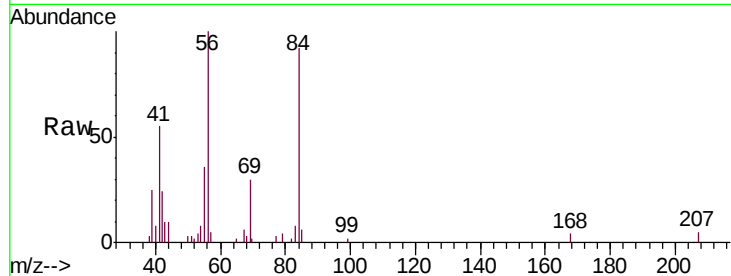




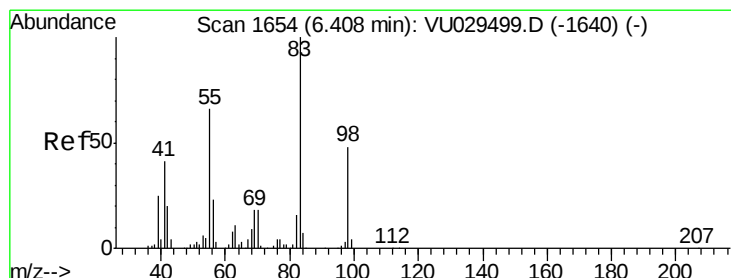
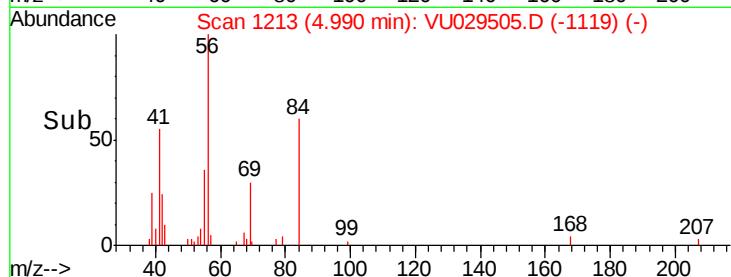
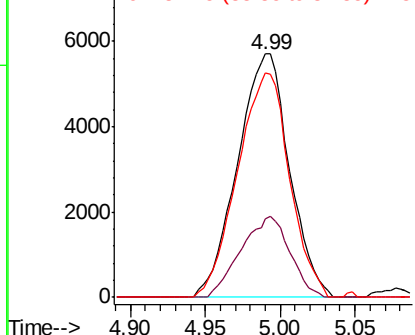
#30
Cyclohexane
Concen: 0.652 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU029505.D
Acq: 15 Feb 2019 18:55

Instrument :
MSVOA_U
ClientSampleId :
ESXD8DL

Tgt Ion: 56 Resp: 13736
Ion Ratio Lower Upper
56 100
69 31.4 25.8 38.6
84 92.3 75.0 112.6

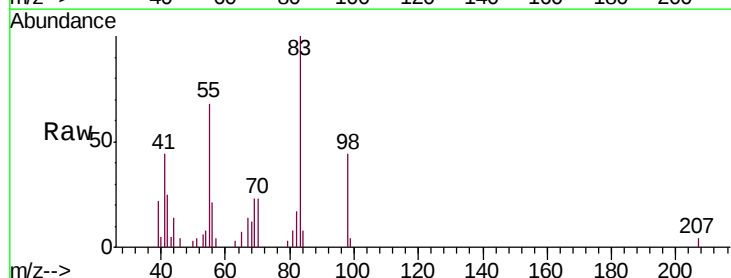


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

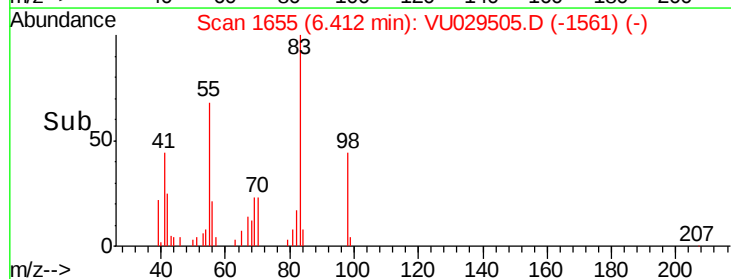
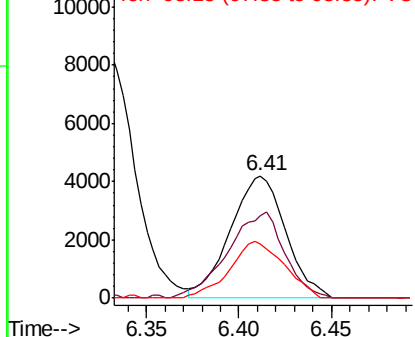


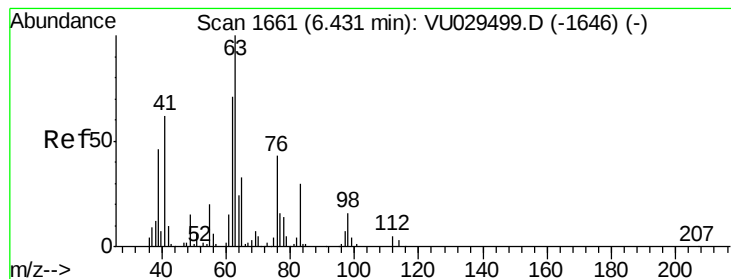
#35
Methylcyclohexane
Concen: 0.352 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029505.D
Acq: 15 Feb 2019 18:55

Tgt Ion: 83 Resp: 8710
Ion Ratio Lower Upper
83 100
55 72.0 55.9 83.9
98 45.9 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: 0.540 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029505.D

Acq: 15 Feb 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

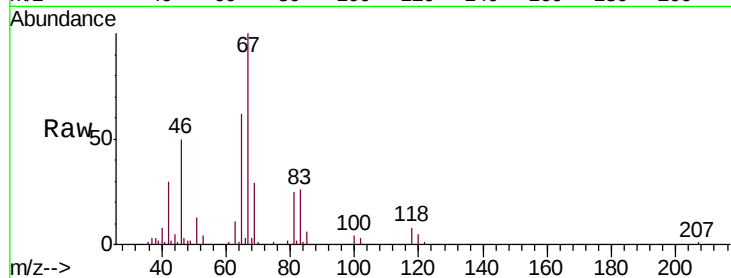
ESXD8DL

Tgt Ion: 63 Resp: 7085

Ion Ratio Lower Upper

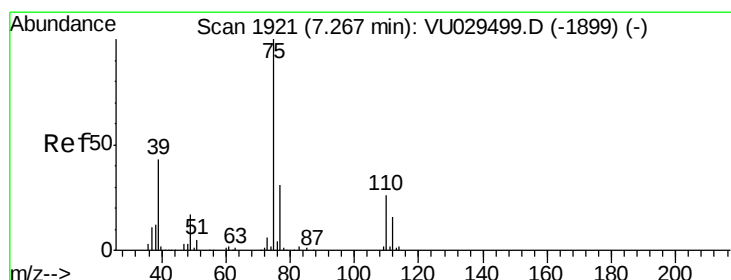
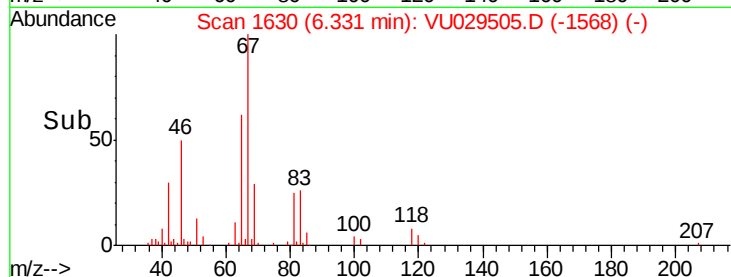
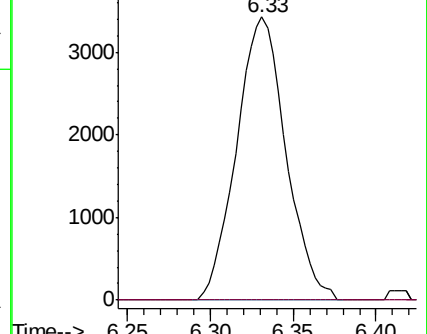
63 100

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: 0.097 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029505.D

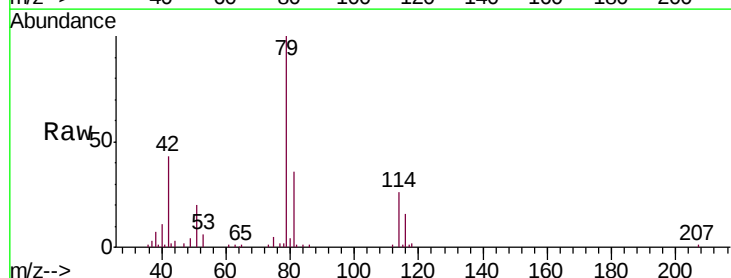
Acq: 15 Feb 2019 18:55

Tgt Ion: 75 Resp: 1992

Ion Ratio Lower Upper

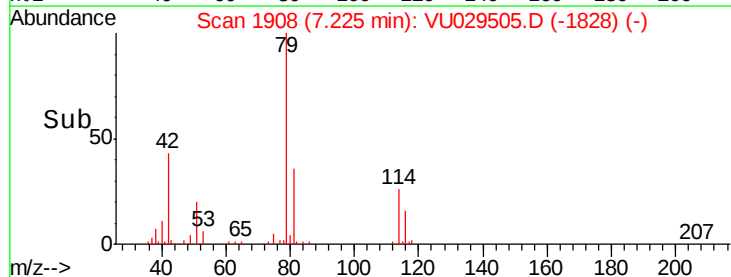
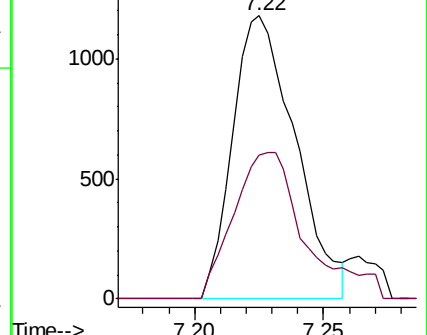
75 100

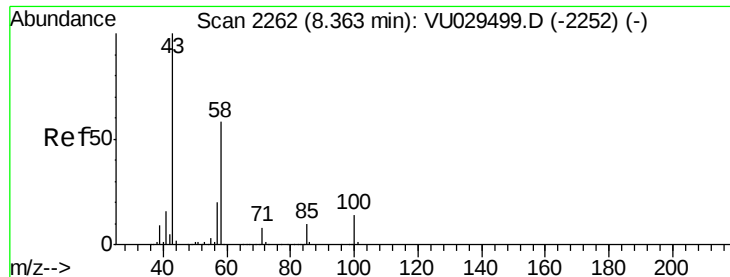
77 51.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

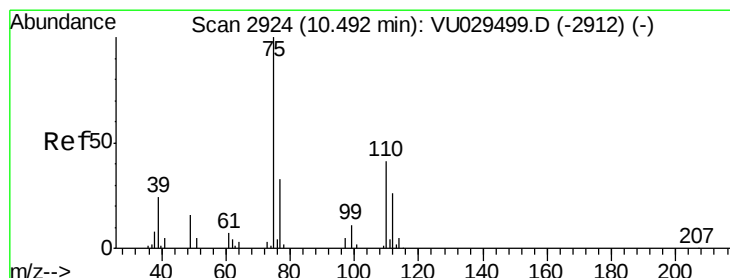
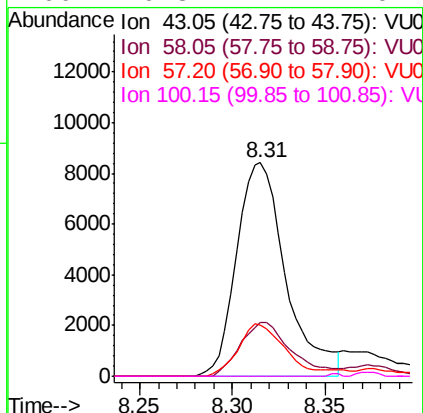
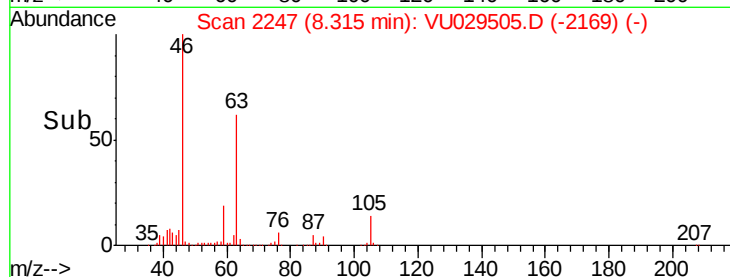
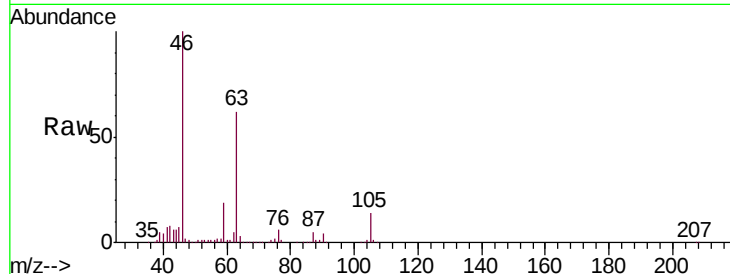




#48
2-Hexanone
Concen: 2.828 ug/L
RT: 8.31 min Scan# 2247
Delta R.T. -0.05 min
Lab File: VU029505.D
Acq: 15 Feb 2019 18:55

Instrument :
MSVOA_U
ClientSampleId :
ESXD8DL

Tgt Ion: 43 Resp: 15576
Ion Ratio Lower Upper
43 100
58 26.3 45.7 68.5#
57 23.0 16.4 24.6
100 0.3 11.1 16.7#



#59
1,2,3-Trichloropropane
Concen: 1.189 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029505.D
Acq: 15 Feb 2019 18:55

Tgt Ion: 75 Resp: 9997
Ion Ratio Lower Upper
75 100
77 34.3 28.2 42.2

