

Data File : VU029480.D
Acq On : 15 Feb 2019 01:04
Operator : JC/SP
Sample : K1438-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXE1

Quant Time: Feb 15 03:48:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	188003	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	176415	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91176	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	48308	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	1.68	69	48229	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.27	63	82723	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	4.19	46	130035	49.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.02%
24) Chloroform-d	4.65	84	93611	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.31	65	48563	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.34	84	188935	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.33	67	59097	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.56	98	178319	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.85	79	21760	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	8.31	63	132253	51.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	51011	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	79450	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

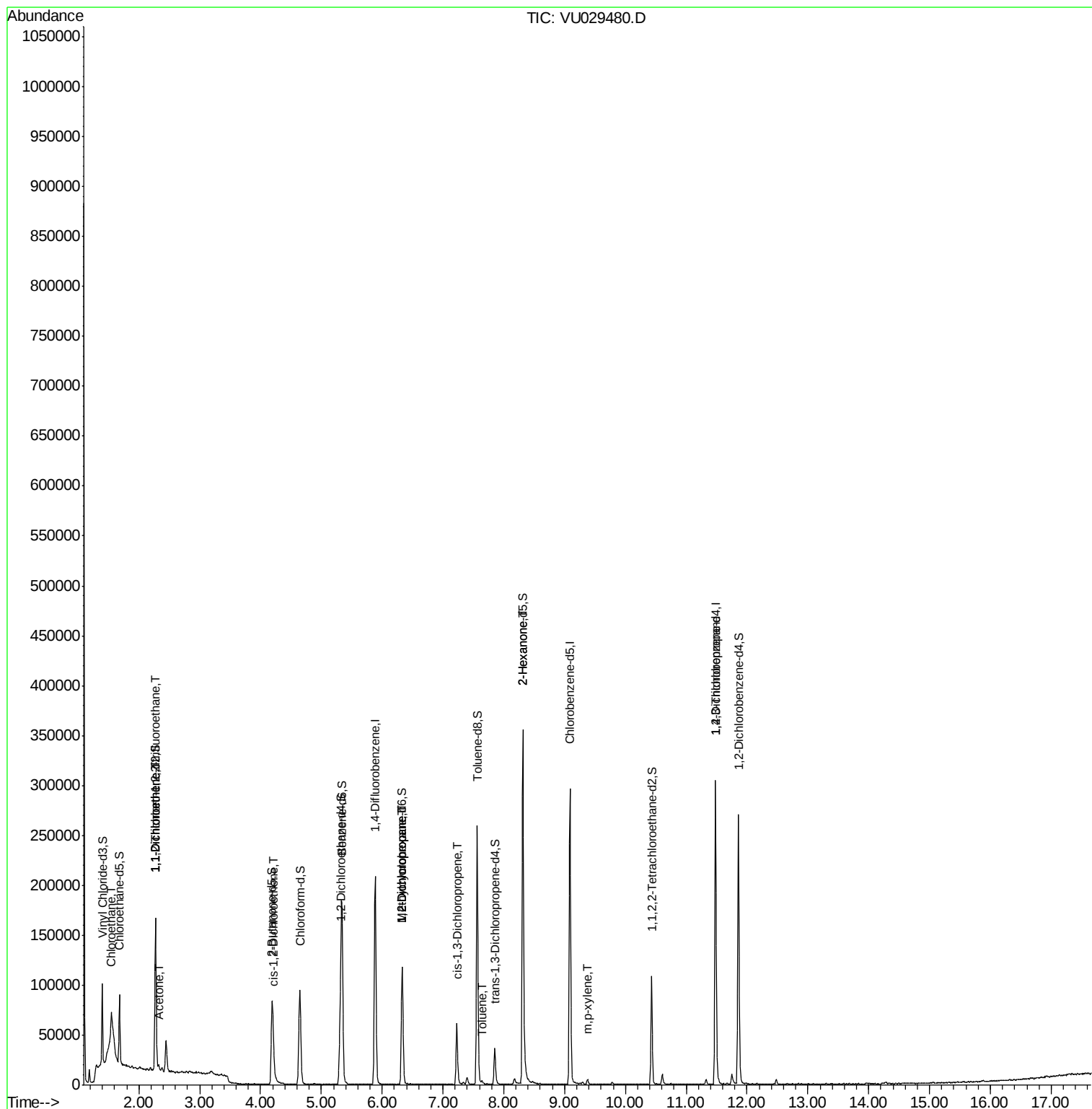
					Qvalue	
8) Chloroethane	1.55	64	151317	12.835	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1017	0.062	ug/L #	17
12) 1,1-Dichloroethene	2.28	96	933	0.060	ug/L #	1
13) Acetone	2.32	43	5810	2.435	ug/L	96
22) cis-1,2-Dichloroethene	4.22	96	1578	0.104	ug/L	70
35) Methylcyclohexane	6.33	83	13809	0.562	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	6616	0.509	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	1345	0.066	ug/L #	55
42) Toluene	7.64	91	2190	0.038	ug/L	90
48) 2-Hexanone	8.31	43	14233	2.605	ug/L #	68
53) m,p-xylene	9.38	106	1808	0.069	ug/L	90
59) 1,2,3-Trichloropropane	11.48	75	8458	1.014	ug/L	95

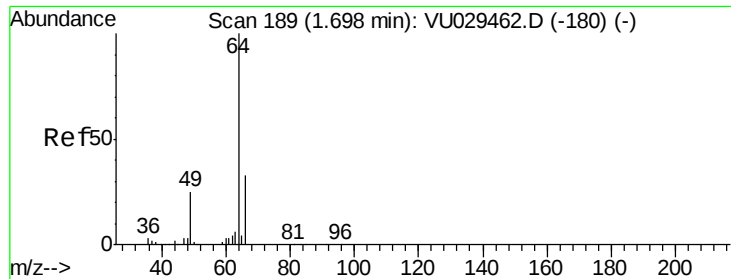
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 12.835 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029480.D

Acq: 15 Feb 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

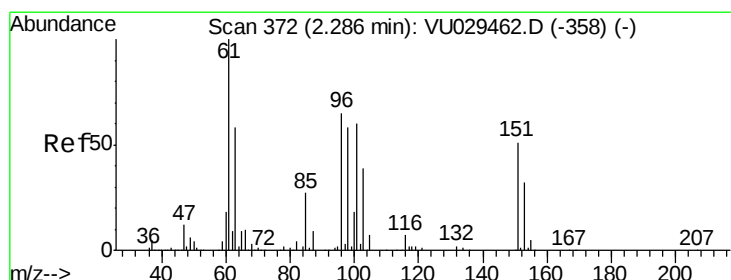
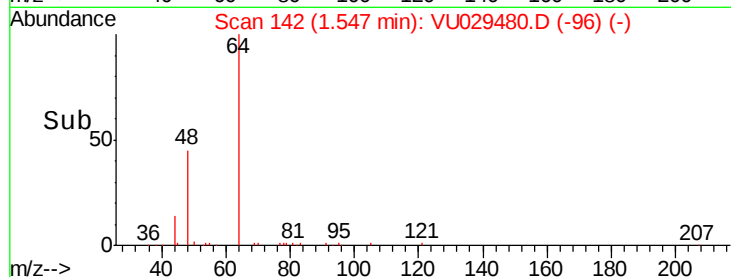
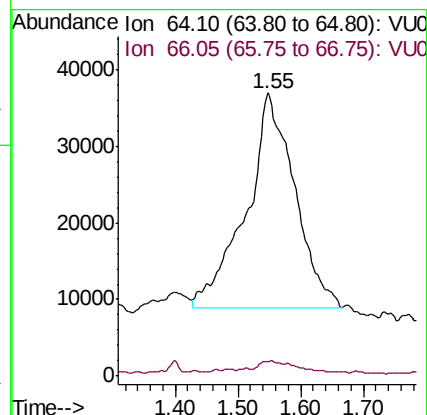
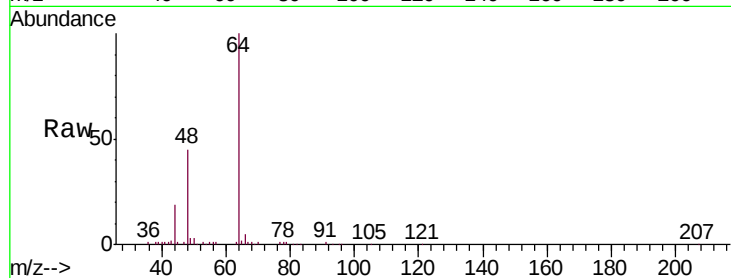
ESXE1

Tgt Ion: 64 Resp: 151317

Ion Ratio Lower Upper

64 100

66 5.1 22.0 40.8#



#10

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

Concen: 0.062 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029480.D

Acq: 15 Feb 2019 01:04

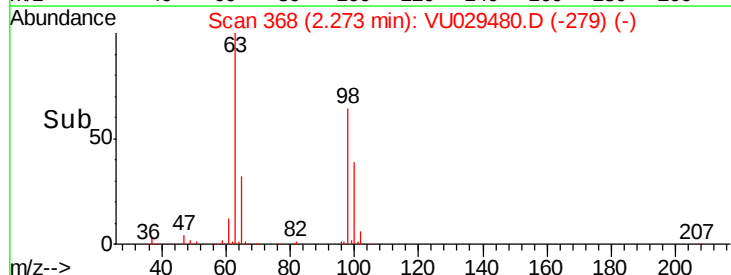
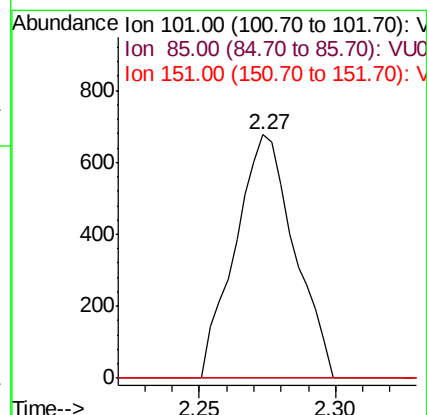
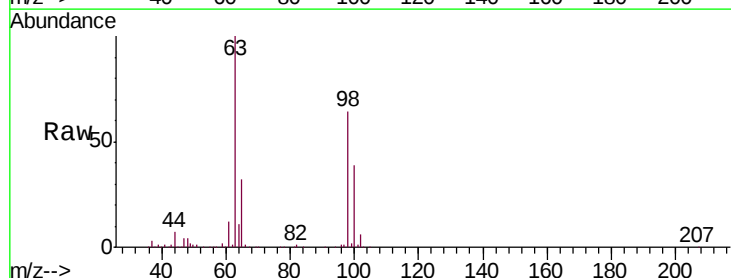
Tgt Ion: 101 Resp: 1017

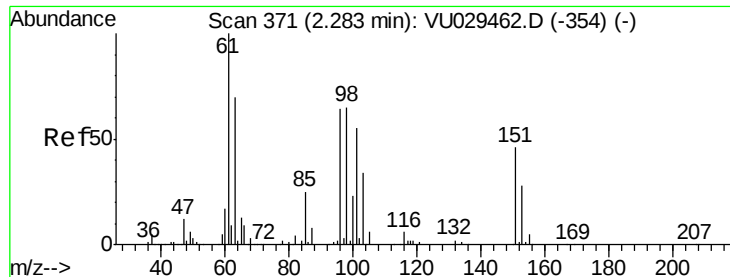
Ion Ratio Lower Upper

101 100

85 1.9 35.1 52.7#

151 0.0 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 0.060 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029480.D

Acq: 15 Feb 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

ESXE1

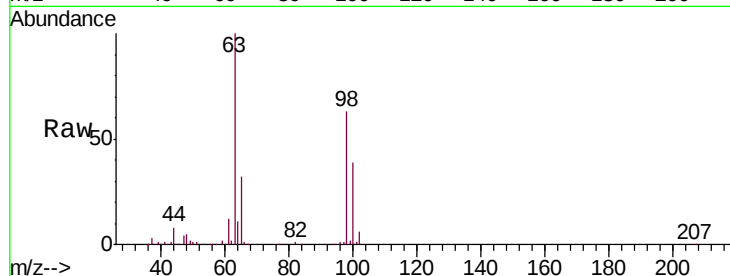
Tgt Ion: 96 Resp: 933

Ion Ratio Lower Upper

96 100

61 1226.7 115.1 213.7#

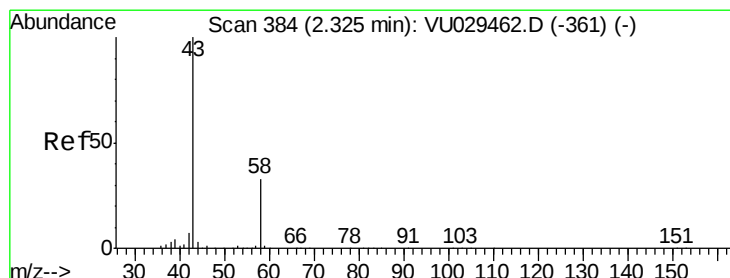
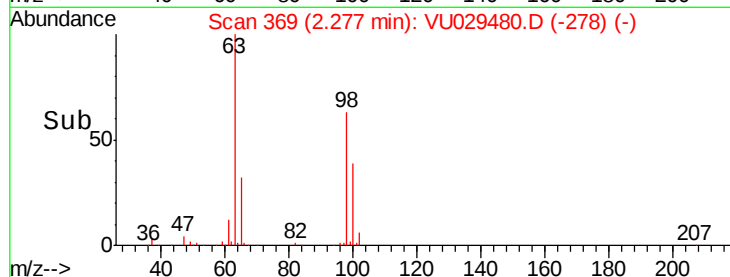
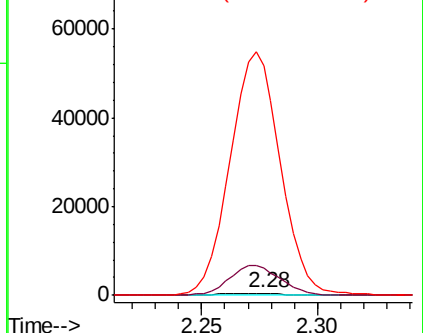
63 10298.0 83.5 155.1#



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: 2.435 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029480.D

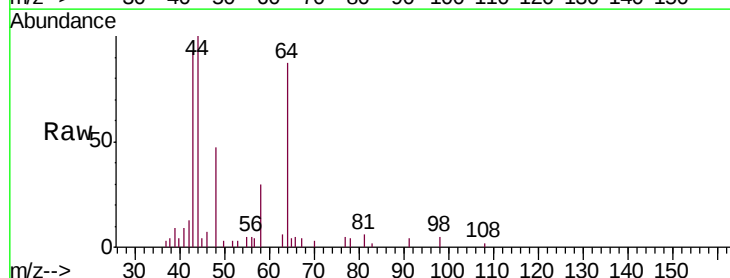
Acq: 15 Feb 2019 01:04

Tgt Ion: 43 Resp: 5810

Ion Ratio Lower Upper

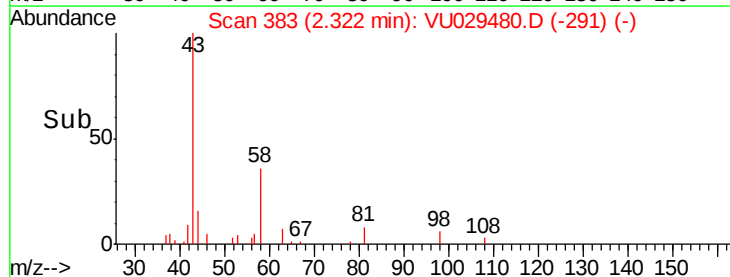
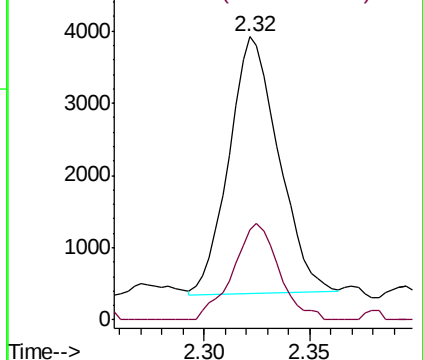
43 100

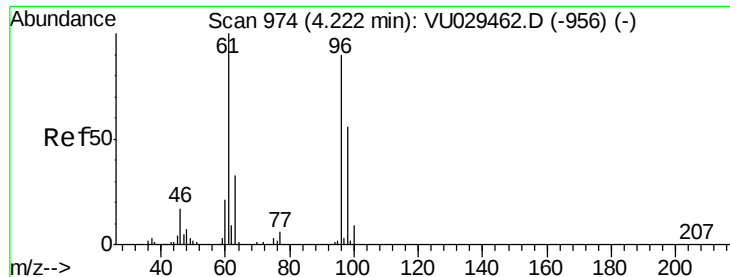
58 34.6 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



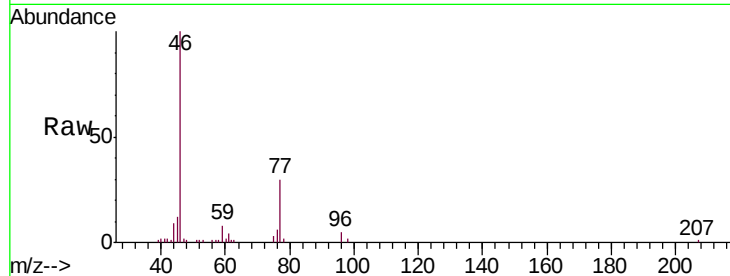


#22

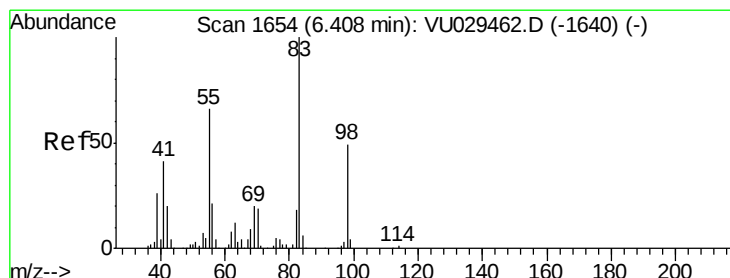
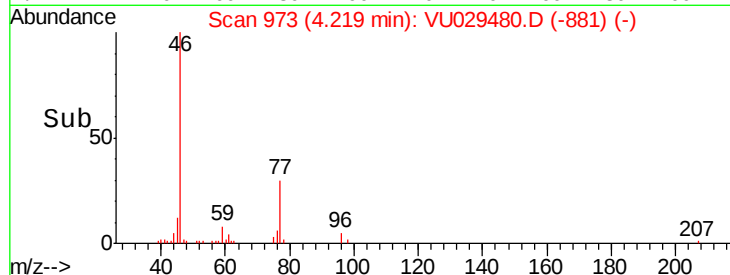
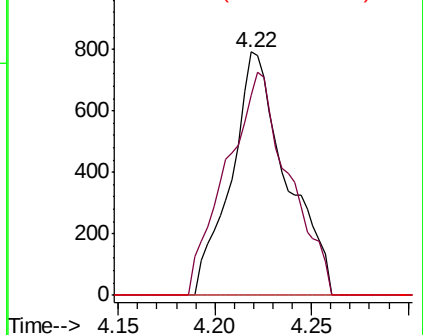
cis-1,2-Dichloroethene
 Concen: 0.104 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU029480.D
 Acq: 15 Feb 2019 01:04

Instrument :
 MSVOA_U
 ClientSampled :
 ESXE1

Tgt Ion: 96 Resp: 1578
 Ion Ratio Lower Upper
 96 100
 61 82.1 79.9 148.5
 68 0.0 0.0 0.0



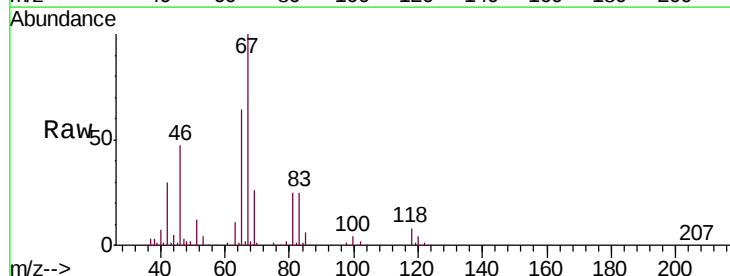
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



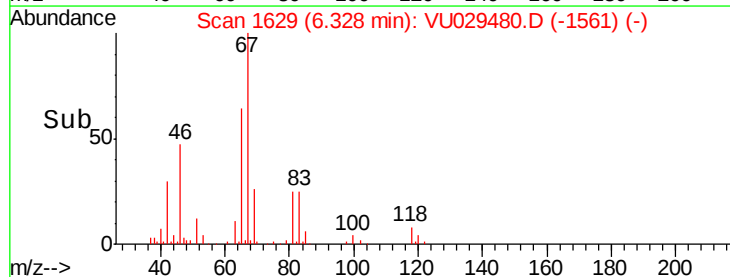
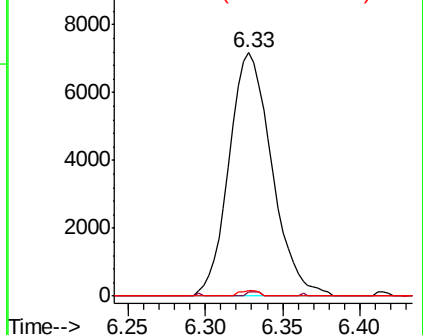
#35

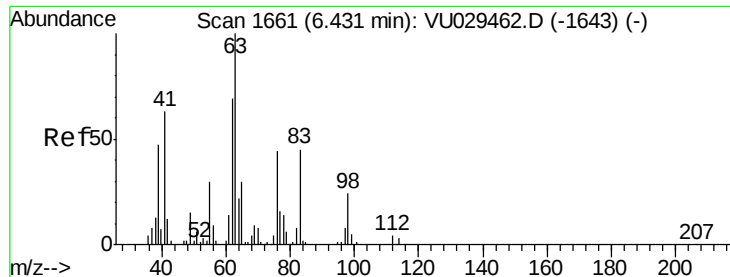
Methylcyclohexane
 Concen: 0.562 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.08 min
 Lab File: VU029480.D
 Acq: 15 Feb 2019 01:04

Tgt Ion: 83 Resp: 13809
 Ion Ratio Lower Upper
 83 100
 55 0.5 55.9 83.9#
 98 1.0 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

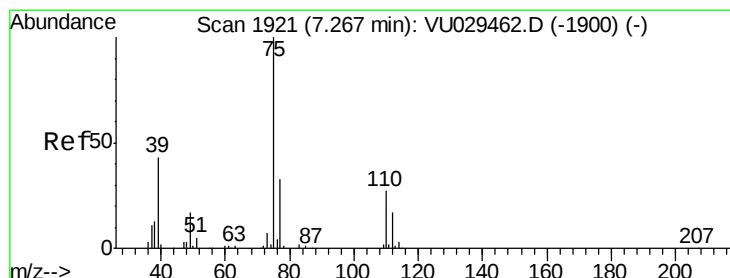
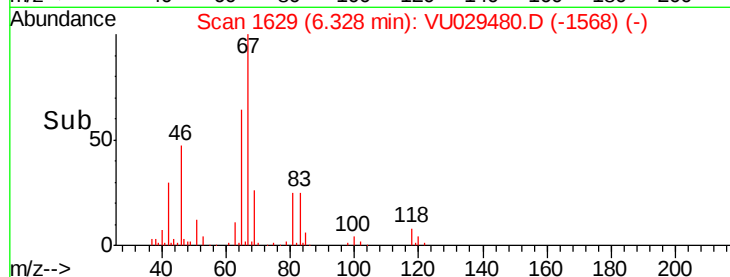
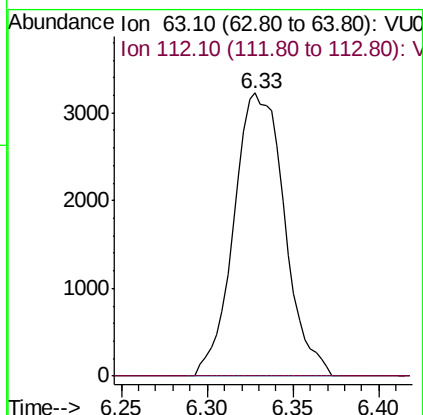
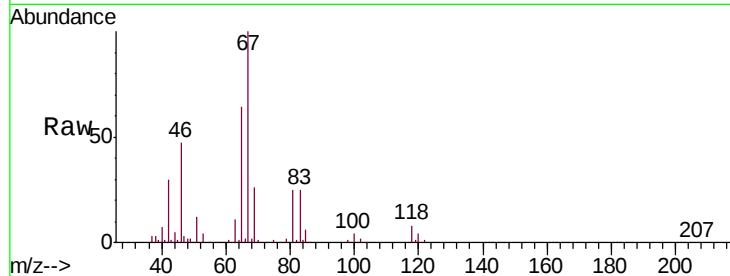




#37
 1,2-Dichloropropane
 Concen: 0.509 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029480.D
 Acq: 15 Feb 2019 01:04

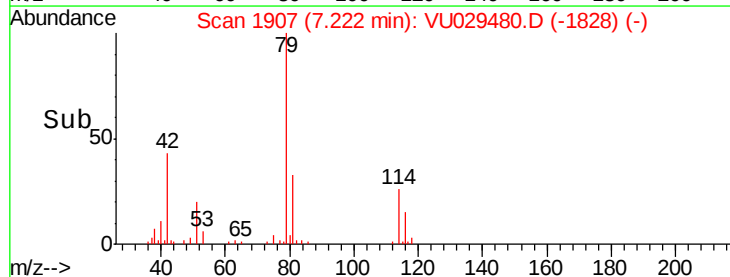
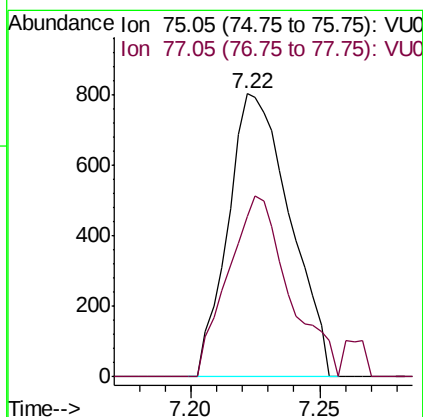
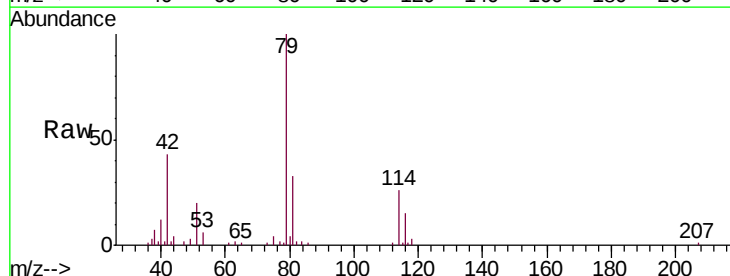
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXE1

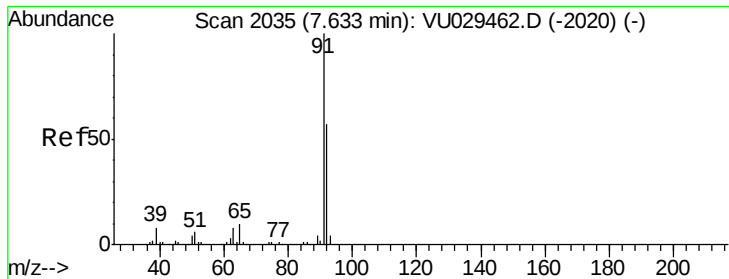
Tgt Ion: 63 Resp: 6616
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.066 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU029480.D
 Acq: 15 Feb 2019 01:04

Tgt Ion: 75 Resp: 1345
 Ion Ratio Lower Upper
 75 100
 77 56.6 22.3 41.3#





#42

Toluene

Concen: 0.038 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU029480.D

Acq: 15 Feb 2019 01:04

Instrument :

MSVOA_U

ClientSampleId :

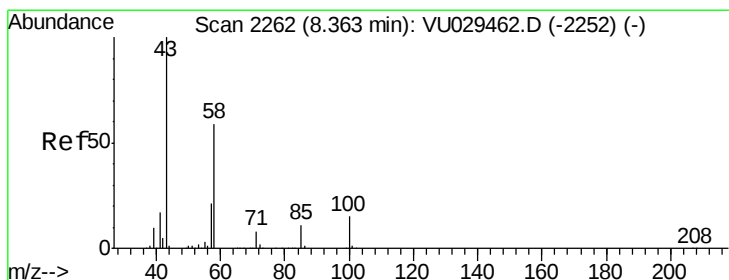
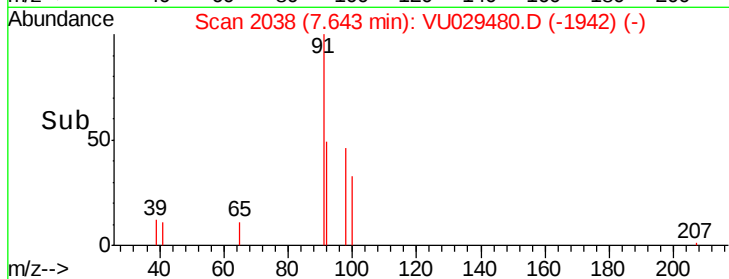
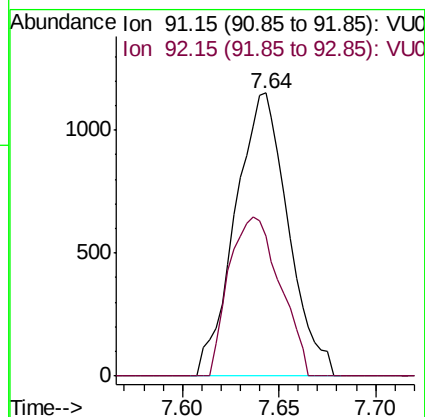
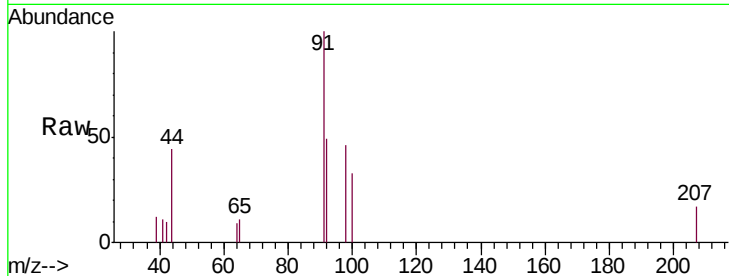
ESXE1

Tgt Ion: 91 Resp: 2190

Ion Ratio Lower Upper

91 100

92 49.3 39.8 73.8



#48

2-Hexanone

Concen: 2.605 ug/L

RT: 8.31 min Scan# 2246

Delta R.T. -0.05 min

Lab File: VU029480.D

Acq: 15 Feb 2019 01:04

Tgt Ion: 43 Resp: 14233

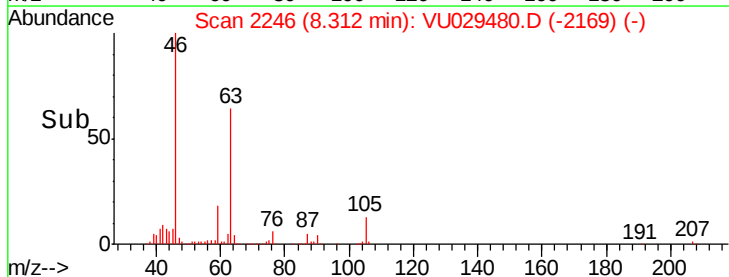
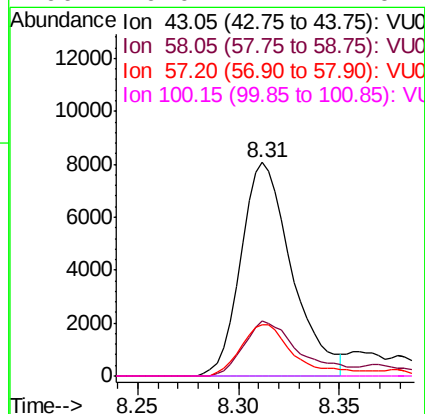
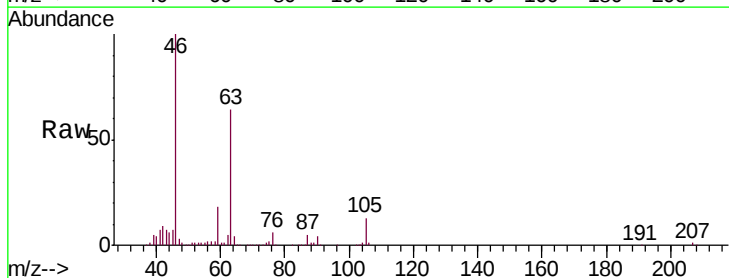
Ion Ratio Lower Upper

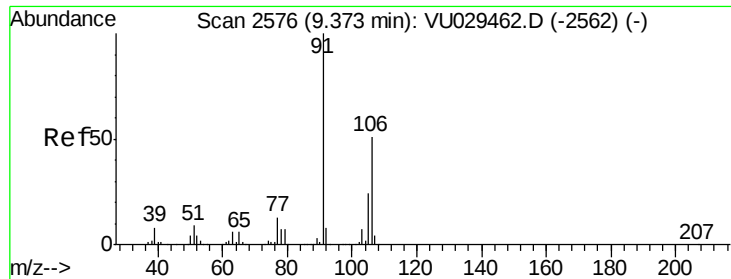
43 100

58 28.3 45.7 68.5#

57 25.9 16.4 24.6#

100 0.0 11.1 16.7#





#53

m,p-xylene

Concen: 0.069 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029480.D

Acq: 15 Feb 2019 01:04

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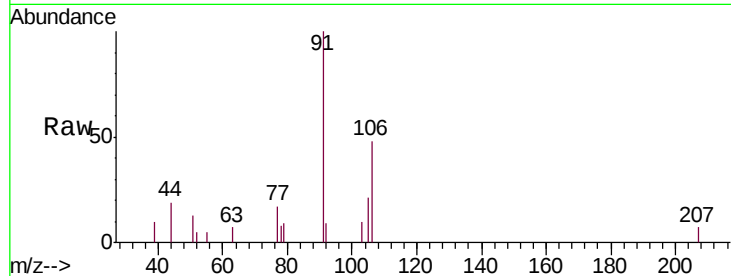
ESXE1

Tgt Ion: 106 Resp: 1808

Ion Ratio Lower Upper

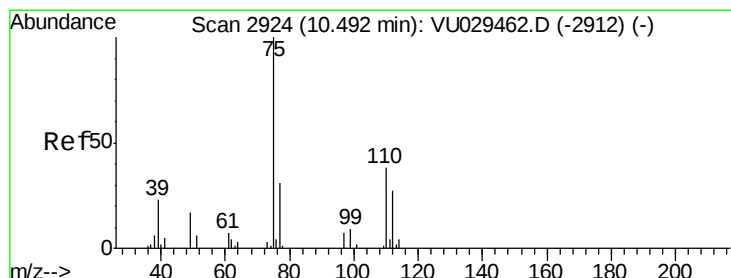
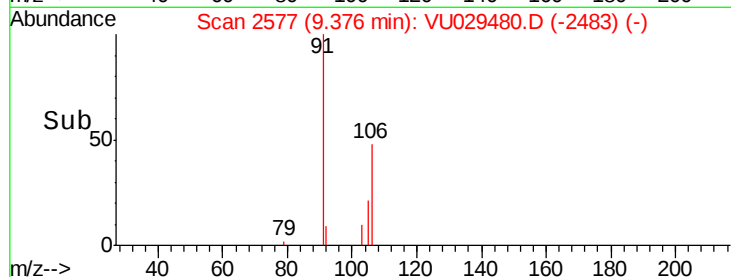
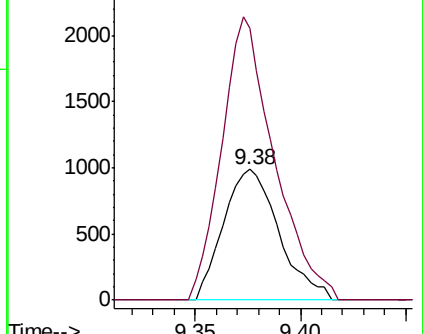
106 100

91 208.3 135.7 251.9



Abundance Ion 106.15 (105.85 to 106.85): VU029462.D (-2562) (-)

Ion 91.15 (90.85 to 91.85): VU029462.D (-2562) (-)



#59

1,2,3-Trichloropropane

Concen: 1.014 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029480.D

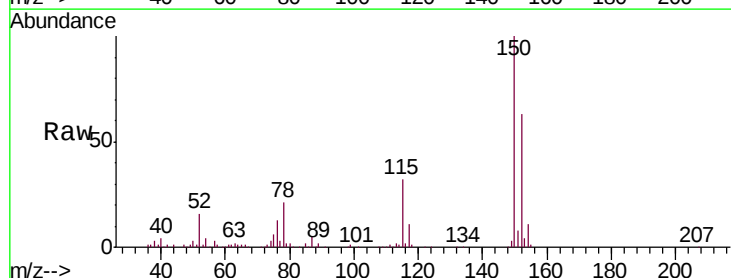
Acq: 15 Feb 2019 01:04

Tgt Ion: 75 Resp: 8458

Ion Ratio Lower Upper

75 100

77 38.0 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU029462.D (-2912) (-)

Ion 77.00 (76.70 to 77.70): VU029462.D (-2912) (-)

