

Data File : VU029478.D
Acq On : 15 Feb 2019 00:16
Operator : JC/SP
Sample : K1438-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXD9

Quant Time: Feb 15 03:48:05 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	187498	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	176776	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91939	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55230	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.68	69	49035	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.27	63	87366	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.19	46	143171	54.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.32%
24) Chloroform-d	4.65	84	98909	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.31	65	50348	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.34	84	201795	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.33	67	62201	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.56	98	184800	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	7.85	79	23018	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.31	63	140252	54.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	54574	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	84025	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	577474	31.980	ug/L	95
8) Chloroethane	1.55	64	169779	14.440	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	943	0.058	ug/L #	22
12) 1,1-Dichloroethene	2.29	96	2402	0.156	ug/L #	1
13) Acetone	2.32	43	4826	2.028	ug/L	95
15) Methyl Acetate	2.45	43	10991	1.803	ug/L #	47
17) Methyl tert-butyl Ether	3.00	73	2296	0.059	ug/L #	68
18) trans-1,2-Dichloroethene	2.98	96	6118	0.372	ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	590396	39.008	ug/L	100
34) Trichloroethene	6.19	95	4991	0.341	ug/L	96
35) Methylcyclohexane	6.33	83	15068	0.612	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	6321	0.485	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	1789	0.087	ug/L #	50
40) 4-Methyl-2-pentanone	7.40	43	8612	1.146	ug/L #	41
47) Tetrachloroethene	8.22	164	1981	0.148	ug/L	92
48) 2-Hexanone	8.36	43	1743	0.318	ug/L #	71
49) Dibromochloromethane	8.22	129	1847	0.137	ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration

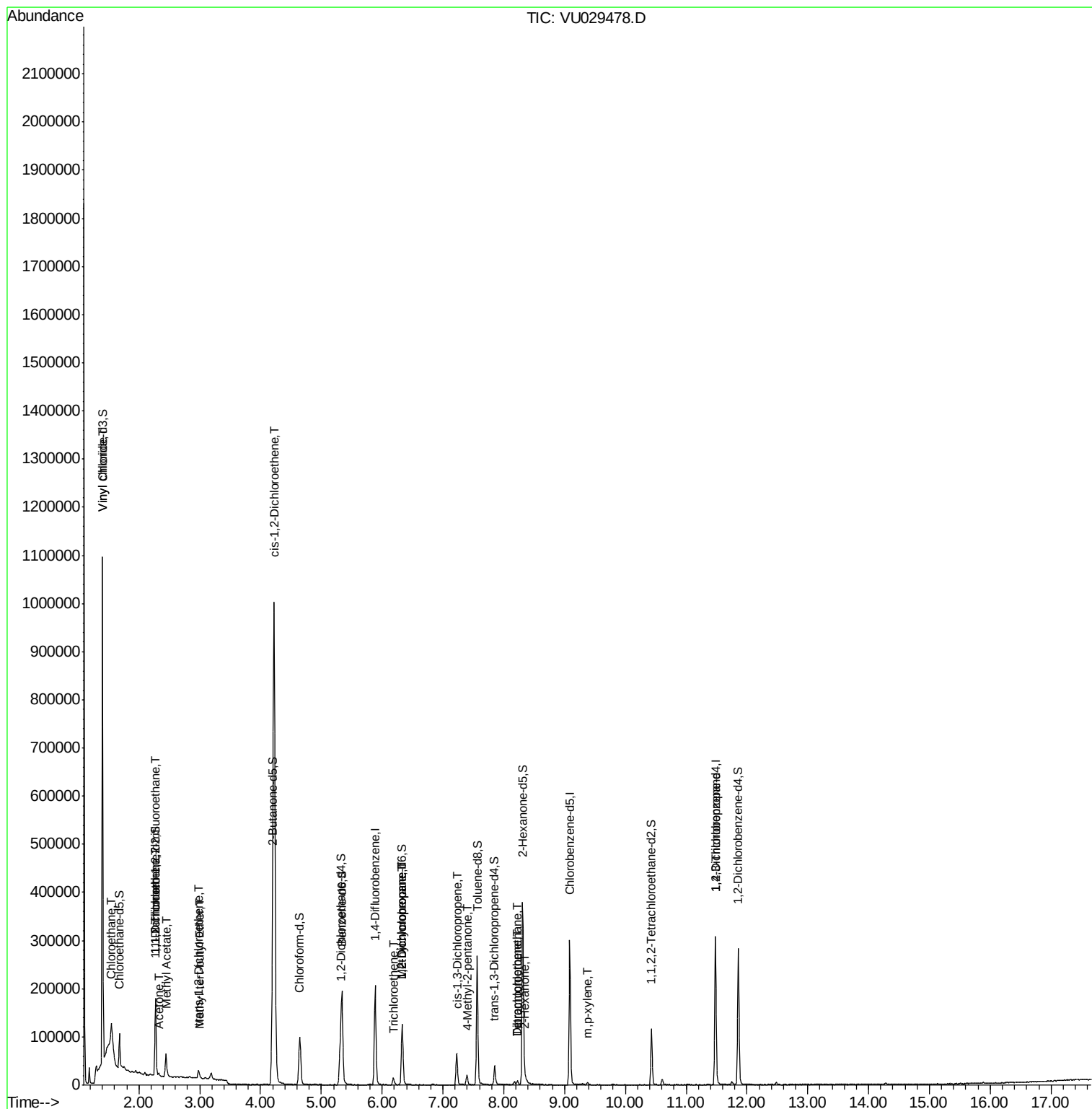
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.37	106	1454	0.055	ug/L	72
59) 1,2,3-Trichloropropane	11.48	75	9025	1.080	ug/L	100

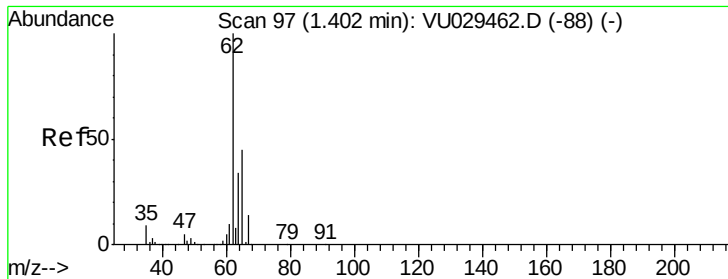
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 31.980 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029478.D

Acq: 15 Feb 2019 00:16

Instrument :

MSVOA_U

ClientSampleId :

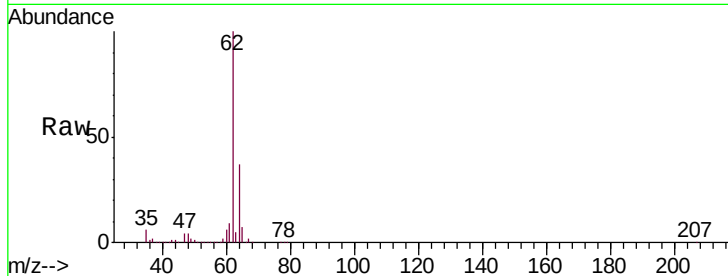
ESXD9

Tgt Ion: 62 Resp: 577474

Ion Ratio Lower Upper

62 100

64 36.7 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

600000

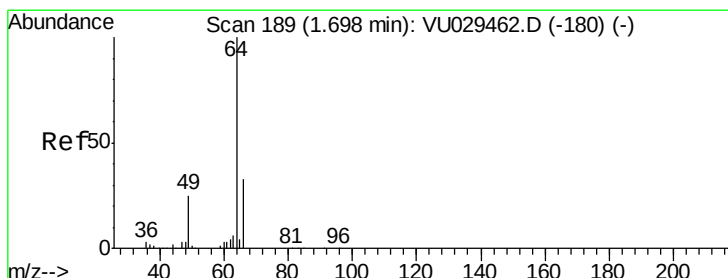
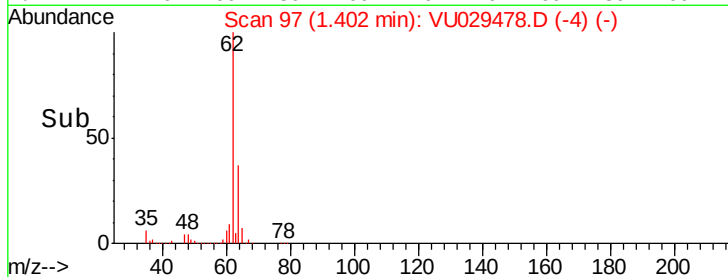
400000

200000

0

1.35 1.40 1.45 1.50

Time-->



#8

Chloroethane

Concen: 14.440 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029478.D

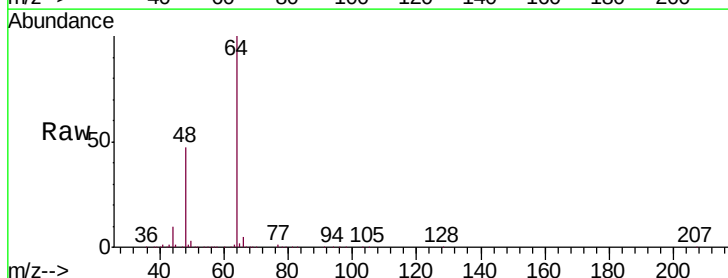
Acq: 15 Feb 2019 00:16

Tgt Ion: 64 Resp: 169779

Ion Ratio Lower Upper

64 100

66 4.9 22.0 40.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.55

80000

60000

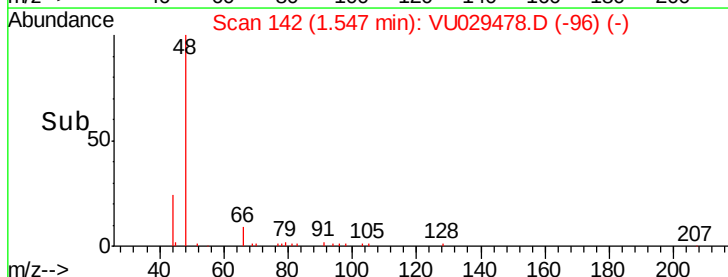
40000

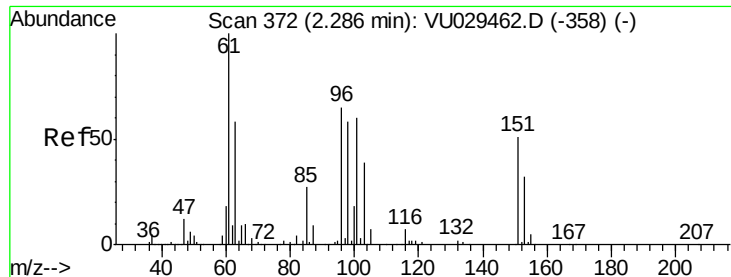
20000

0

1.50 1.55 1.60 1.65

Time-->





#10

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

Concen: 0.058 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029478.D

Acq: 15 Feb 2019 00:16

Instrument :

MSVOA_U

ClientSampled :

ESXD9

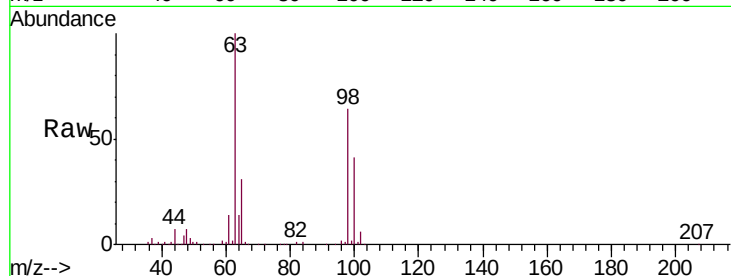
Tgt Ion: 101 Resp: 943

Ion Ratio Lower Upper

101 100

85 5.6 35.1 52.7#

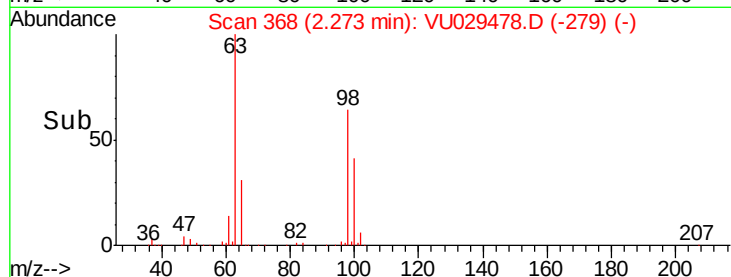
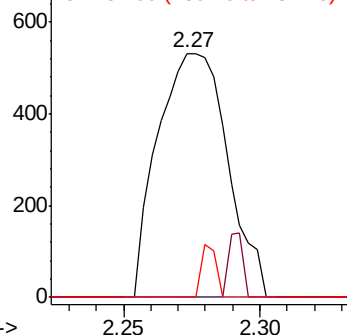
151 4.5 67.0 100.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.156 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029478.D

Acq: 15 Feb 2019 00:16

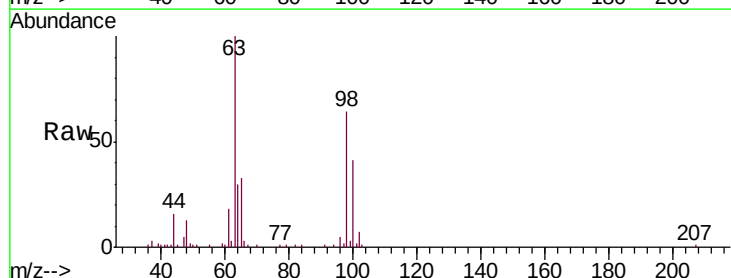
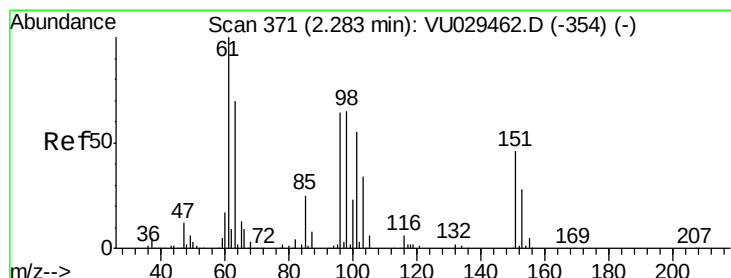
Tgt Ion: 96 Resp: 2402

Ion Ratio Lower Upper

96 100

61 348.4 115.1 213.7#

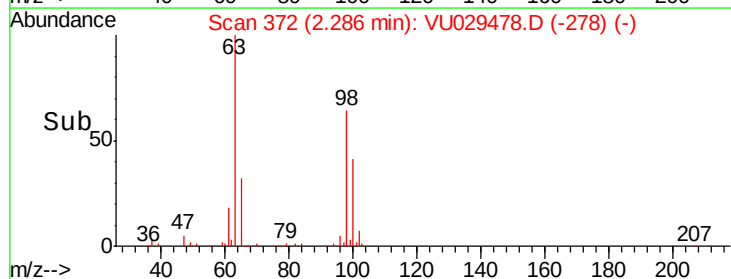
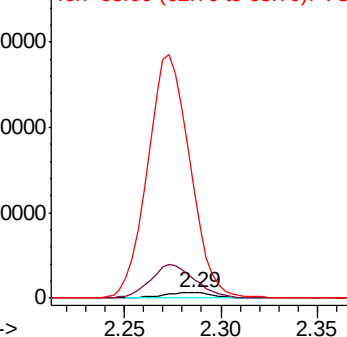
63 1927.9 83.5 155.1#

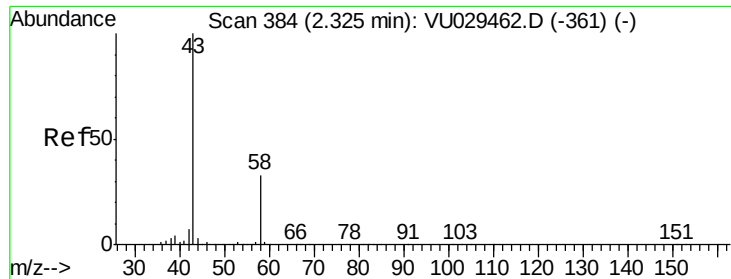


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.028 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029478.D

Acq: 15 Feb 2019 00:16

Instrument :

MSVOA_U

ClientSampled :

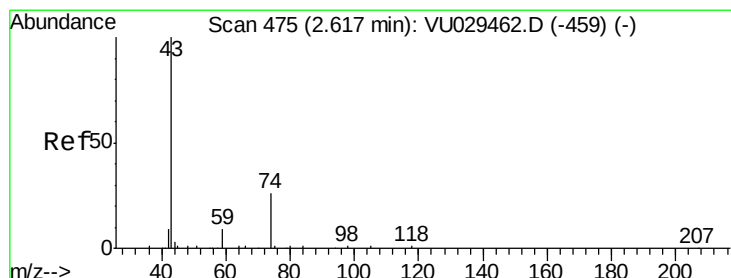
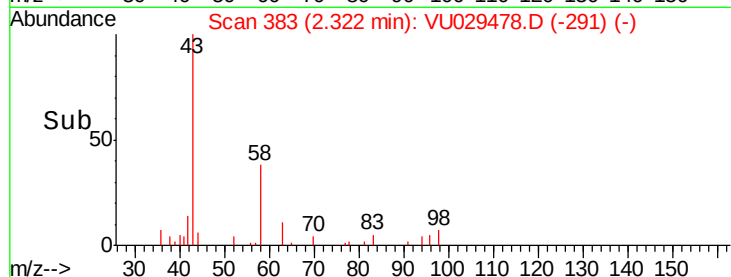
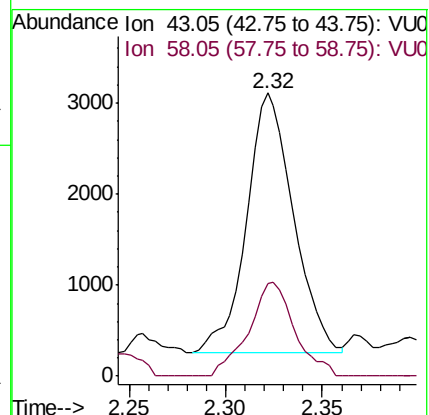
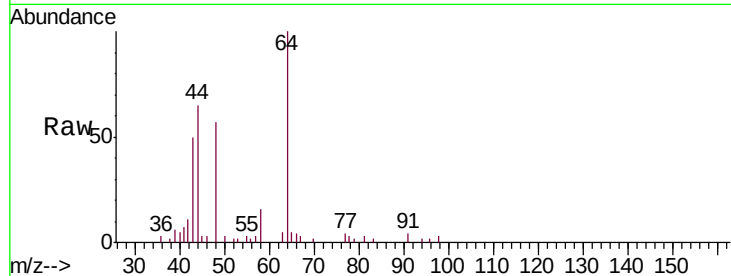
ESXD9

Tgt Ion: 43 Resp: 4826

Ion Ratio Lower Upper

43 100

58 35.3 0.0 65.0



#15

Methyl Acetate

Concen: 1.803 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.17 min

Lab File: VU029478.D

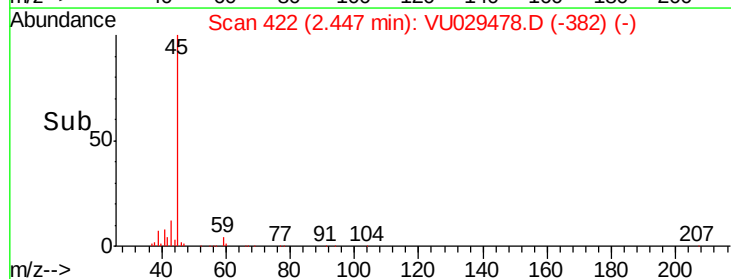
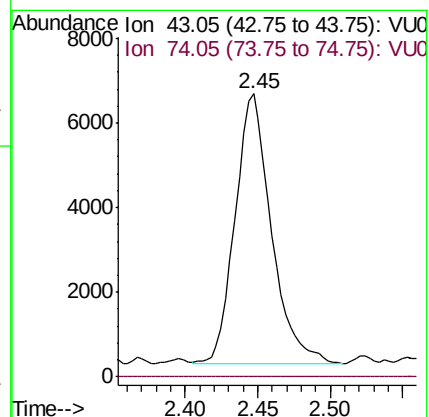
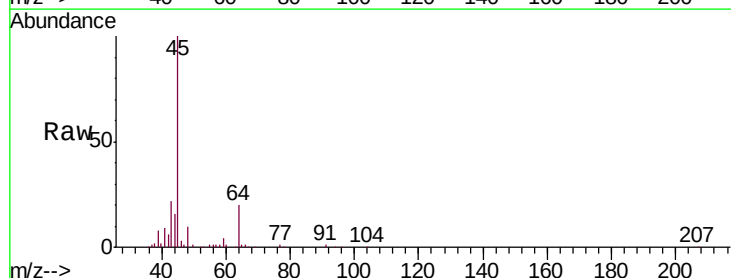
Acq: 15 Feb 2019 00:16

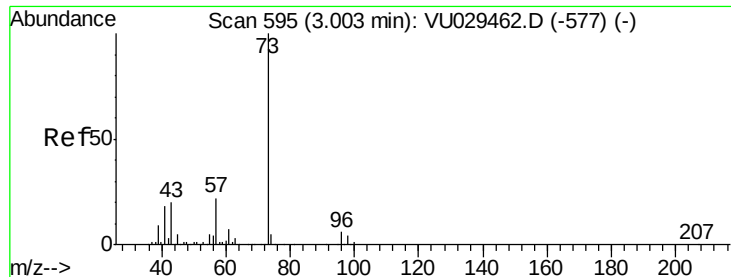
Tgt Ion: 43 Resp: 10991

Ion Ratio Lower Upper

43 100

74 0.0 22.3 33.5#





#17

Methyl tert-butyl Ether

Concen: 0.059 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU029478.D

Acq: 15 Feb 2019 00:16

Instrument :

MSVOA_U

ClientSampleId :

ESXD9

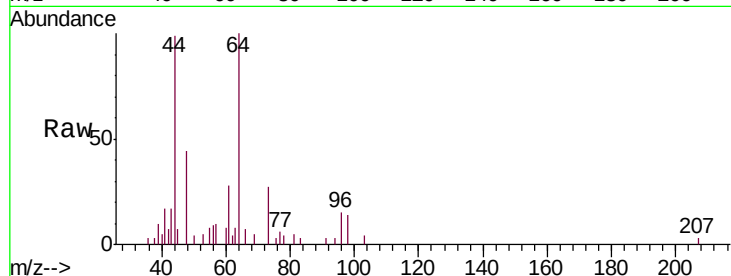
Tgt Ion: 73 Resp: 2296

Ion Ratio Lower Upper

73 100

43 35.3 16.0 24.0#

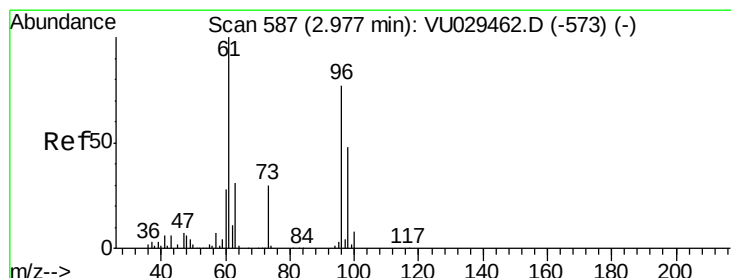
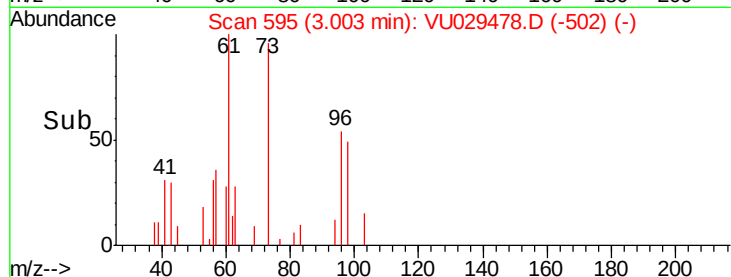
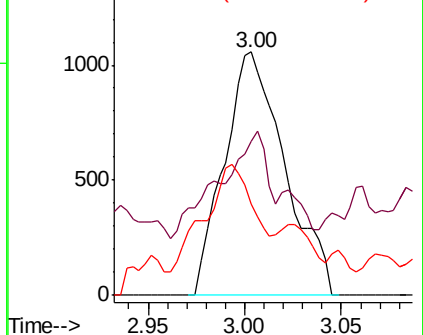
57 35.5 16.9 25.3#



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.372 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029478.D

Acq: 15 Feb 2019 00:16

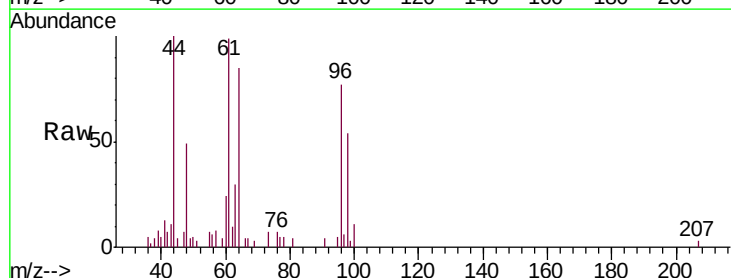
Tgt Ion: 96 Resp: 6118

Ion Ratio Lower Upper

96 100

61 128.4 95.4 177.2

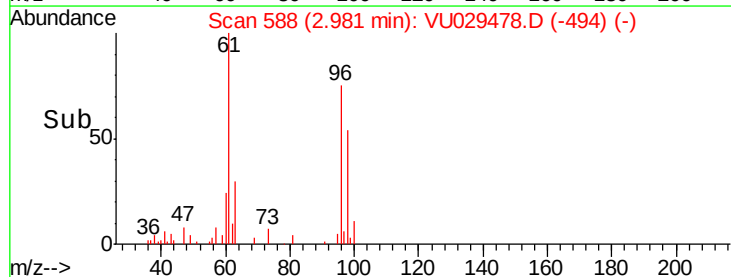
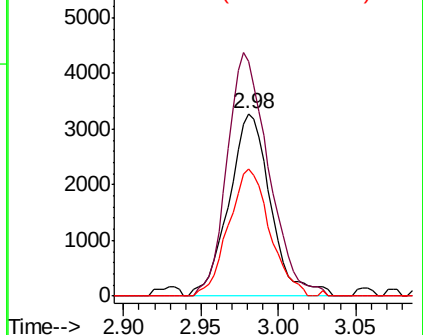
98 69.5 45.8 85.2

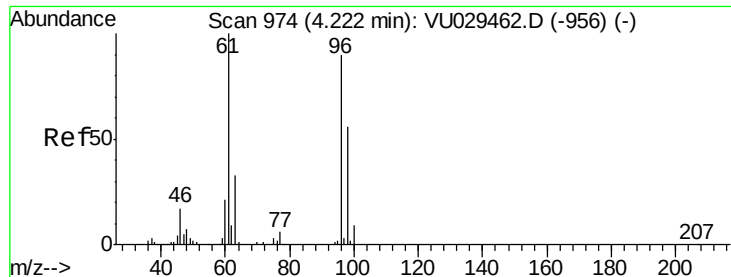


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



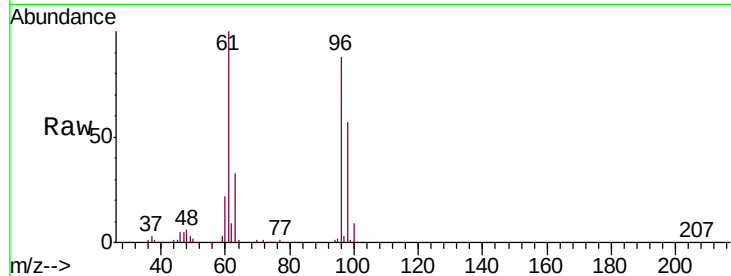


#22

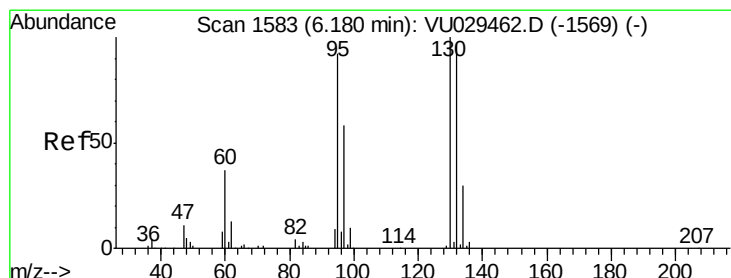
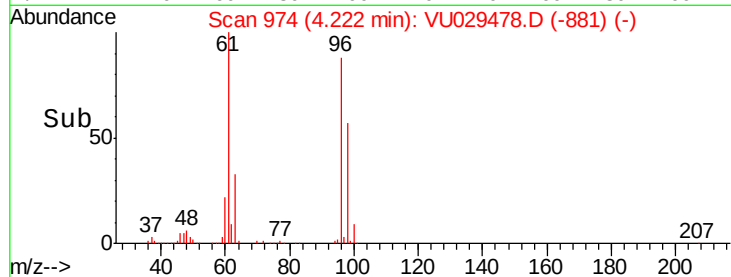
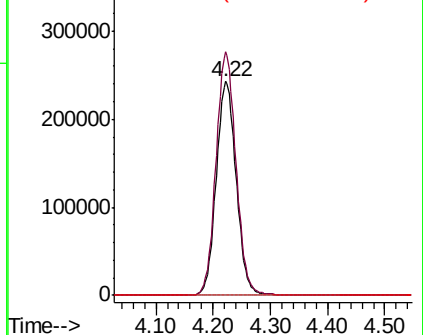
cis-1,2-Dichloroethene
Concen: 39.008 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029478.D
Acq: 15 Feb 2019 00:16

Instrument :
MSVOA_U
ClientSampleId :
ESXD9

Tgt Ion: 96 Resp: 590396
Ion Ratio Lower Upper
96 100
61 114.0 79.9 148.5
68 0.0 0.0 0.0



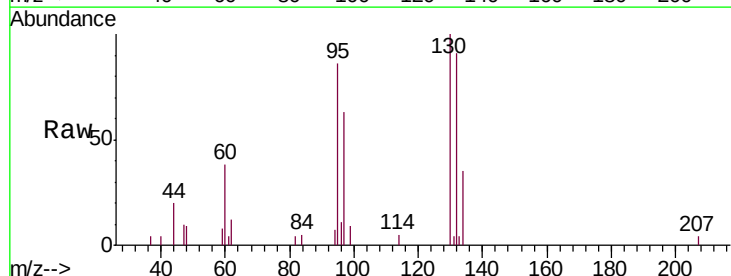
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



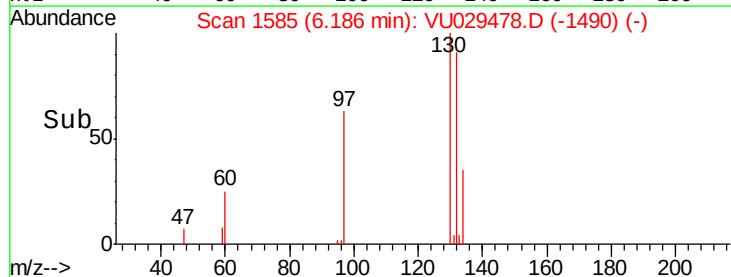
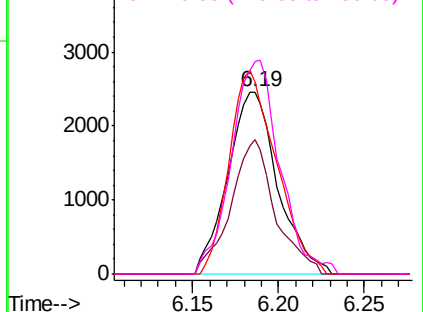
#34

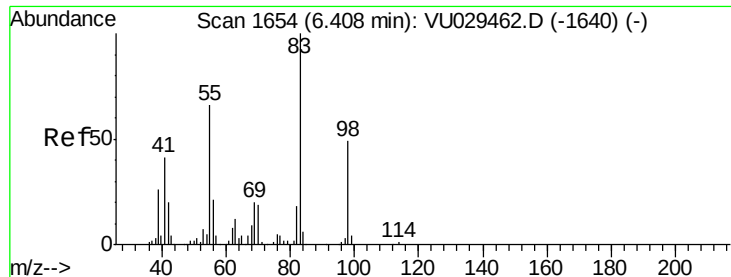
Trichloroethene
Concen: 0.341 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VU029478.D
Acq: 15 Feb 2019 00:16

Tgt Ion: 95 Resp: 4991
Ion Ratio Lower Upper
95 100
97 73.9 46.3 86.1
132 105.7 72.9 135.3
130 116.5 79.2 147.0



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V

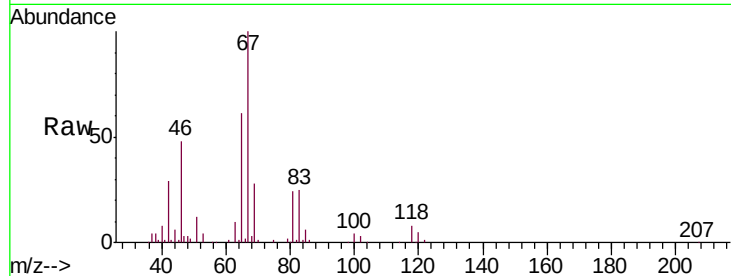




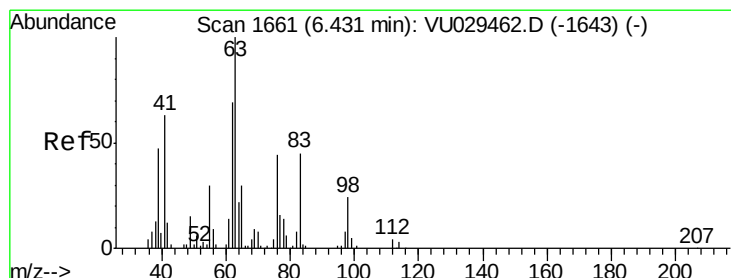
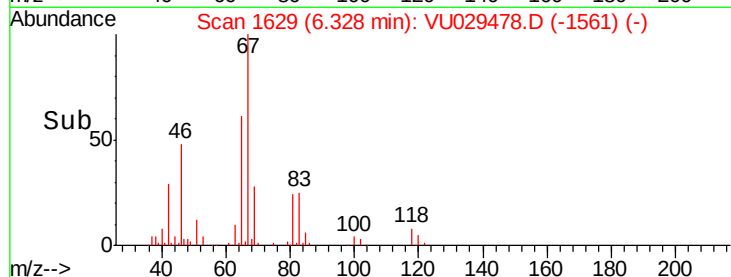
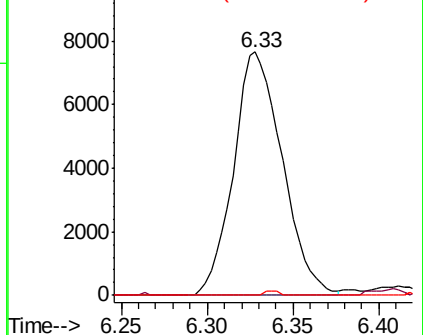
#35
Methylcyclohexane
Concen: 0.612 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029478.D
Acq: 15 Feb 2019 00:16

Instrument :
MSVOA_U
ClientSampleId :
ESXD9

Tgt Ion: 83 Resp: 15068
Ion Ratio Lower Upper
83 100
55 0.1 55.9 83.9#
98 0.5 38.6 57.8#

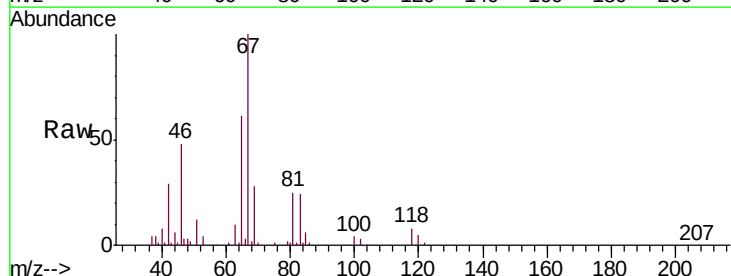


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

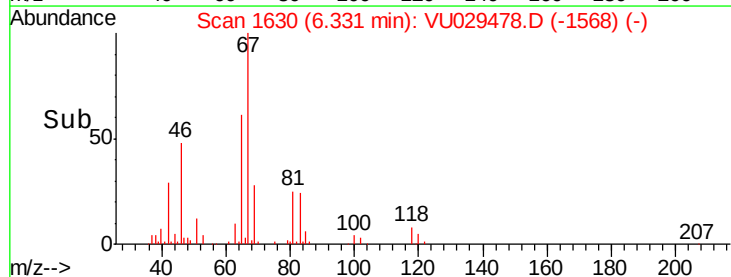
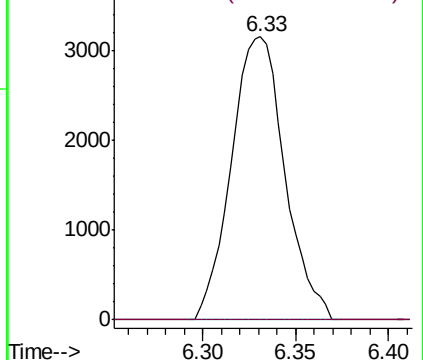


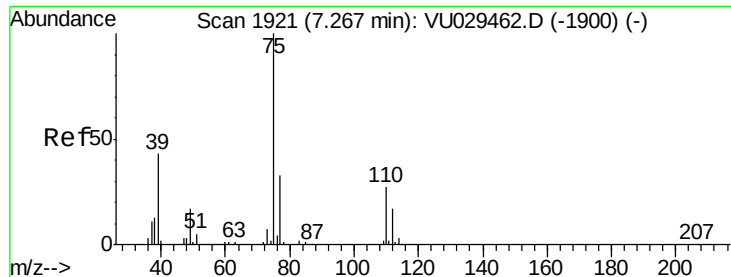
#37
1,2-Dichloropropane
Concen: 0.485 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.10 min
Lab File: VU029478.D
Acq: 15 Feb 2019 00:16

Tgt Ion: 63 Resp: 6321
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



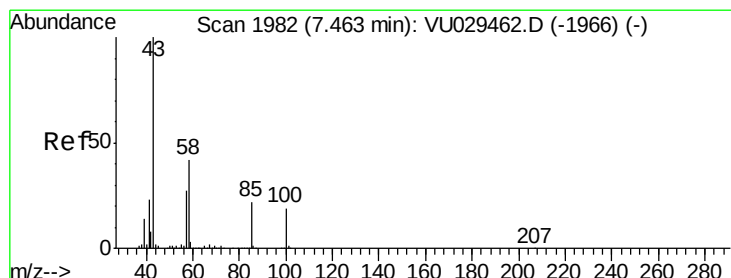
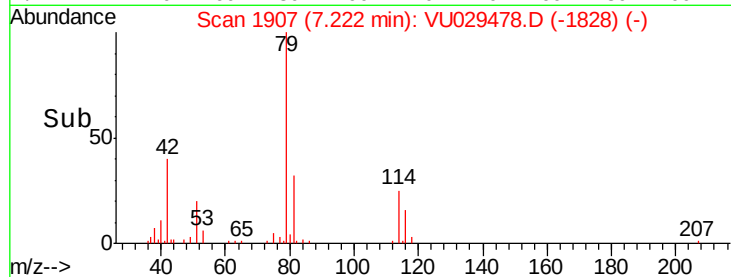
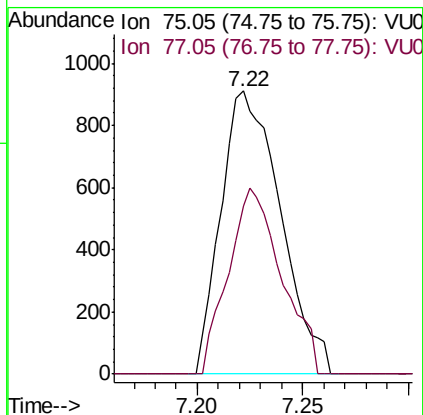
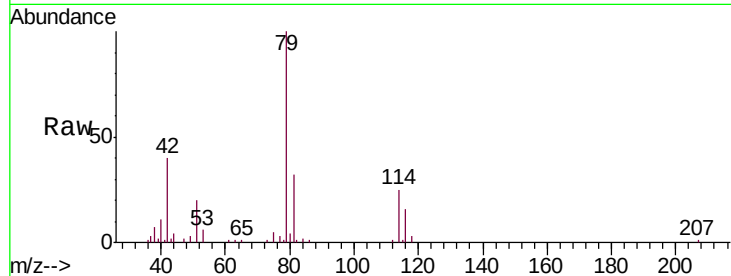


#39

cis-1,3-Dichloropropene
Concen: 0.087 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.04 min
Lab File: VU029478.D
Acq: 15 Feb 2019 00:16

Instrument :
MSVOA_U
ClientSampled :
ESXD9

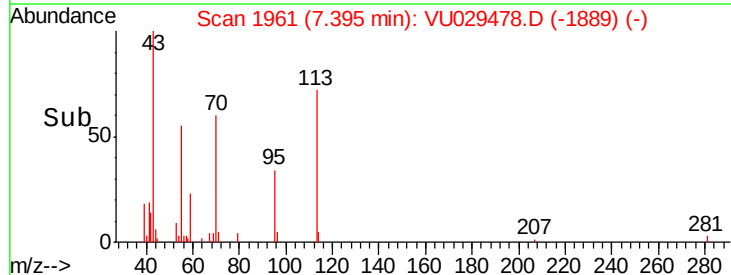
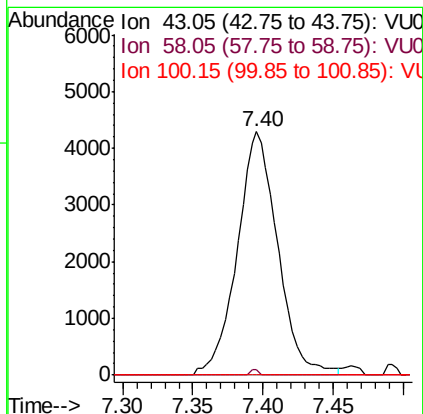
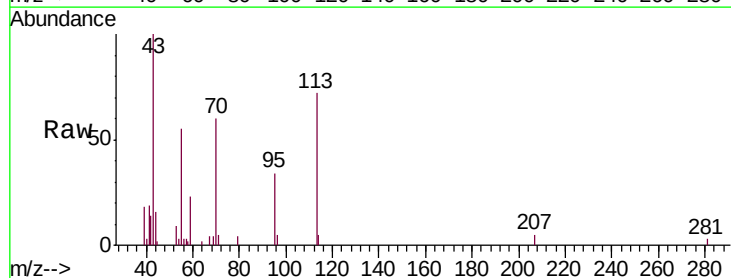
Tgt Ion: 75 Resp: 1789
Ion Ratio Lower Upper
75 100
77 59.6 22.3 41.3#

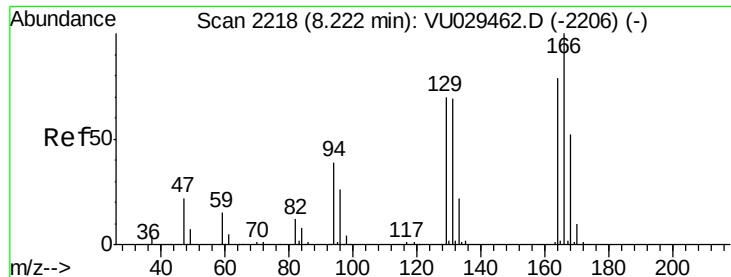


#40

4-Methyl-2-pentanone
Concen: 1.146 ug/L
RT: 7.40 min Scan# 1961
Delta R.T. -0.07 min
Lab File: VU029478.D
Acq: 15 Feb 2019 00:16

Tgt Ion: 43 Resp: 8612
Ion Ratio Lower Upper
43 100
58 0.0 33.4 50.2#
100 0.0 14.4 21.6#

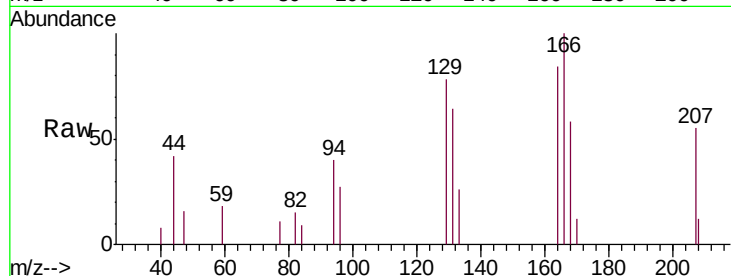




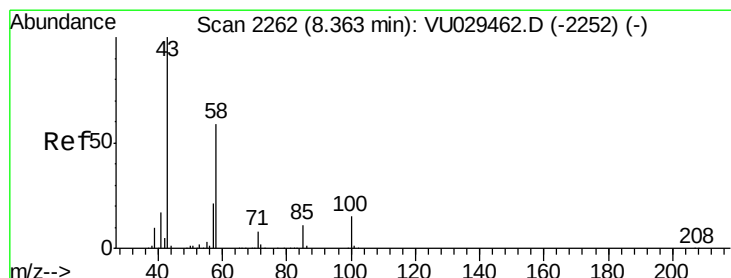
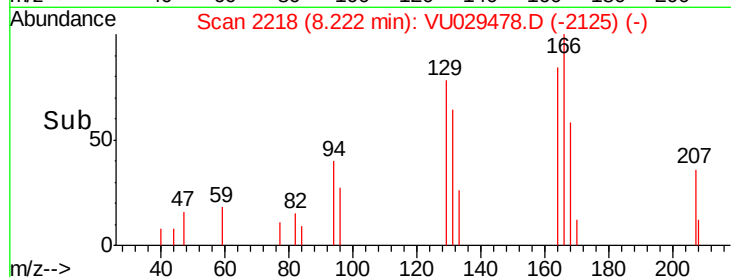
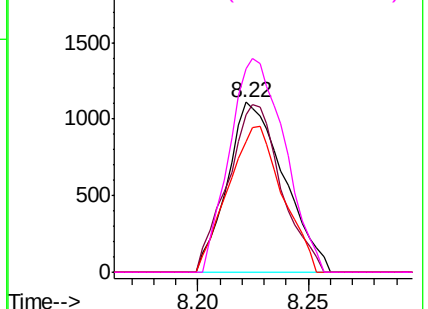
#47
Tetrachloroethene
Concen: 0.148 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU029478.D
Acq: 15 Feb 2019 00:16

Instrument :
MSVOA_U
ClientSampleId :
ESXD9

Tgt Ion:164 Resp: 1981
Ion Ratio Lower Upper
164 100
129 93.1 62.9 116.9
131 77.1 62.1 115.3
166 119.7 89.8 166.8

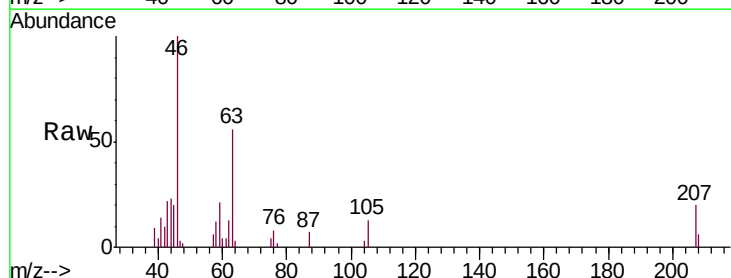


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

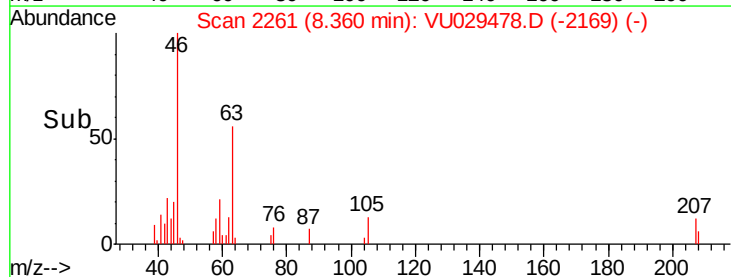
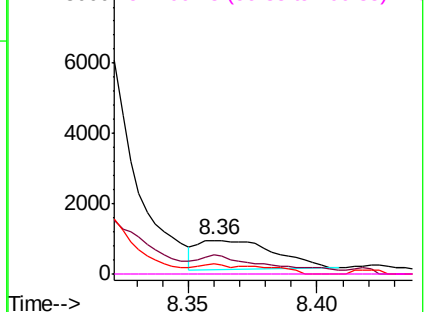


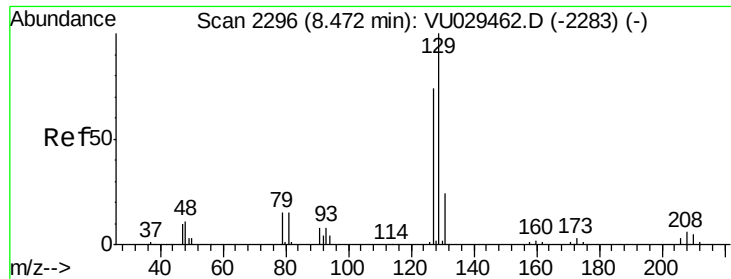
#48
2-Hexanone
Concen: 0.318 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU029478.D
Acq: 15 Feb 2019 00:16

Tgt Ion: 43 Resp: 1743
Ion Ratio Lower Upper
43 100
58 30.2 45.7 68.5#
57 22.9 16.4 24.6
100 0.0 11.1 16.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.137 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU029478.D

Acq: 15 Feb 2019 00:16

Instrument :

MSVOA_U

ClientSampleId :

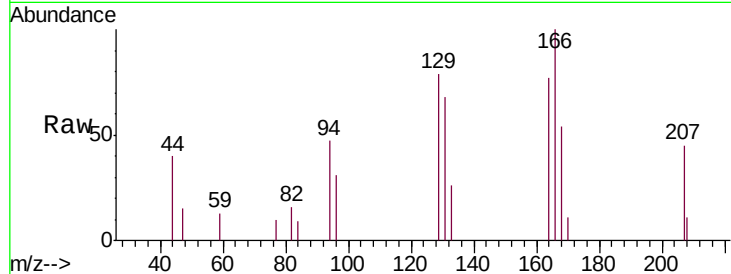
ESXD9

Tgt Ion:129 Resp: 1847

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

8.22

1200

1000

800

600

400

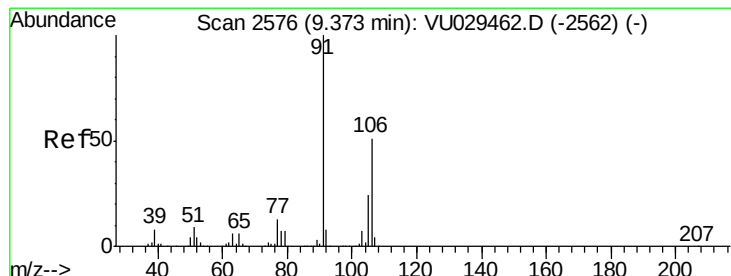
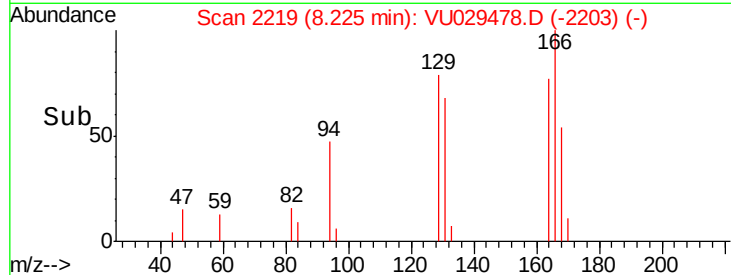
200

0

8.20

8.25

Time-->



#53

m,p-xylene

Concen: 0.055 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029478.D

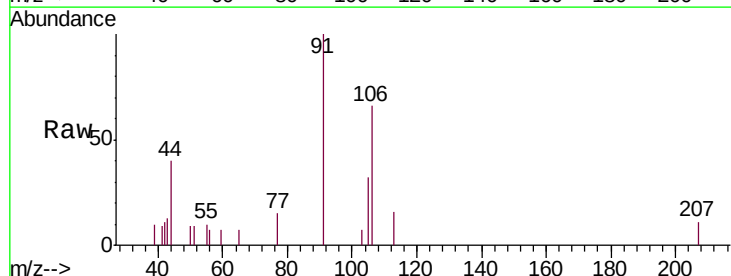
Acq: 15 Feb 2019 00:16

Tgt Ion:106 Resp: 1454

Ion Ratio Lower Upper

106 100

91 151.9 135.7 251.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

9.37

1500

1000

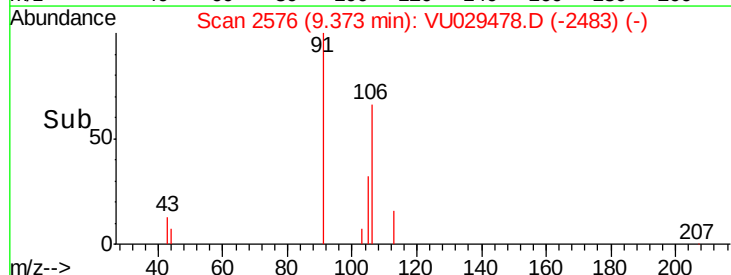
500

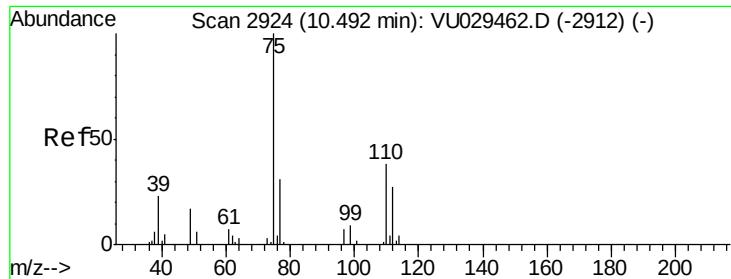
0

9.35

9.40

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.080 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029478.D

Acq: 15 Feb 2019 00:16

Instrument :

MSVOA_U

ClientSampleId :

ESXD9

Tgt Ion: 75 Resp: 9025

Ion Ratio Lower Upper

75 100

77 35.1 28.2 42.2

