

Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXE7

Quant Time: Feb 21 04:27:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 21 04:23:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	202729	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	193885	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103467	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50614	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.68	69	50383	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.27	63	85023	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	4.19	46	173912	61.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.82%
24) Chloroform-d	4.65	84	72185	3.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.60%#
26) 1,2-Dichloroethane-d4	5.31	65	61318	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.34	84	224329	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.33	67	71348	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.56	98	209255	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.85	79	26327	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.31	63	169398	59.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	66690	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	100316	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	1325	0.079	ug/L	95
5) Vinyl chloride	1.40	62	10044	0.514	ug/L #	72
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	886	0.050	ug/L #	16
12) 1,1-Dichloroethene	2.28	96	2069	0.124	ug/L #	1
13) Acetone	2.32	43	3164	1.230	ug/L	88
18) trans-1,2-Dichloroethene	2.98	96	11455	0.644	ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	564133	34.473	ug/L	98
25) Chloroform	4.67	83	39008	1.455	ug/L	96
30) Cyclohexane	4.99	56	6986	0.304	ug/L	97
33) Benzene	5.39	78	8877	0.156	ug/L	100
34) Trichloroethene	6.19	95	8146	0.508	ug/L	93
35) Methylcyclohexane	6.41	83	3408	0.126	ug/L #	90
37) 1,2-Dichloropropane	6.33	63	7211	0.504	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1701	0.076	ug/L #	68
42) Toluene	7.64	91	3133	0.049	ug/L	83
45) 1,1,2-Trichloroethane	8.05	97	1228	0.112	ug/L #	17
47) Tetrachloroethene	8.22	164	2662	0.181	ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 21 04:23:07 2019
Response via : Initial Calibration

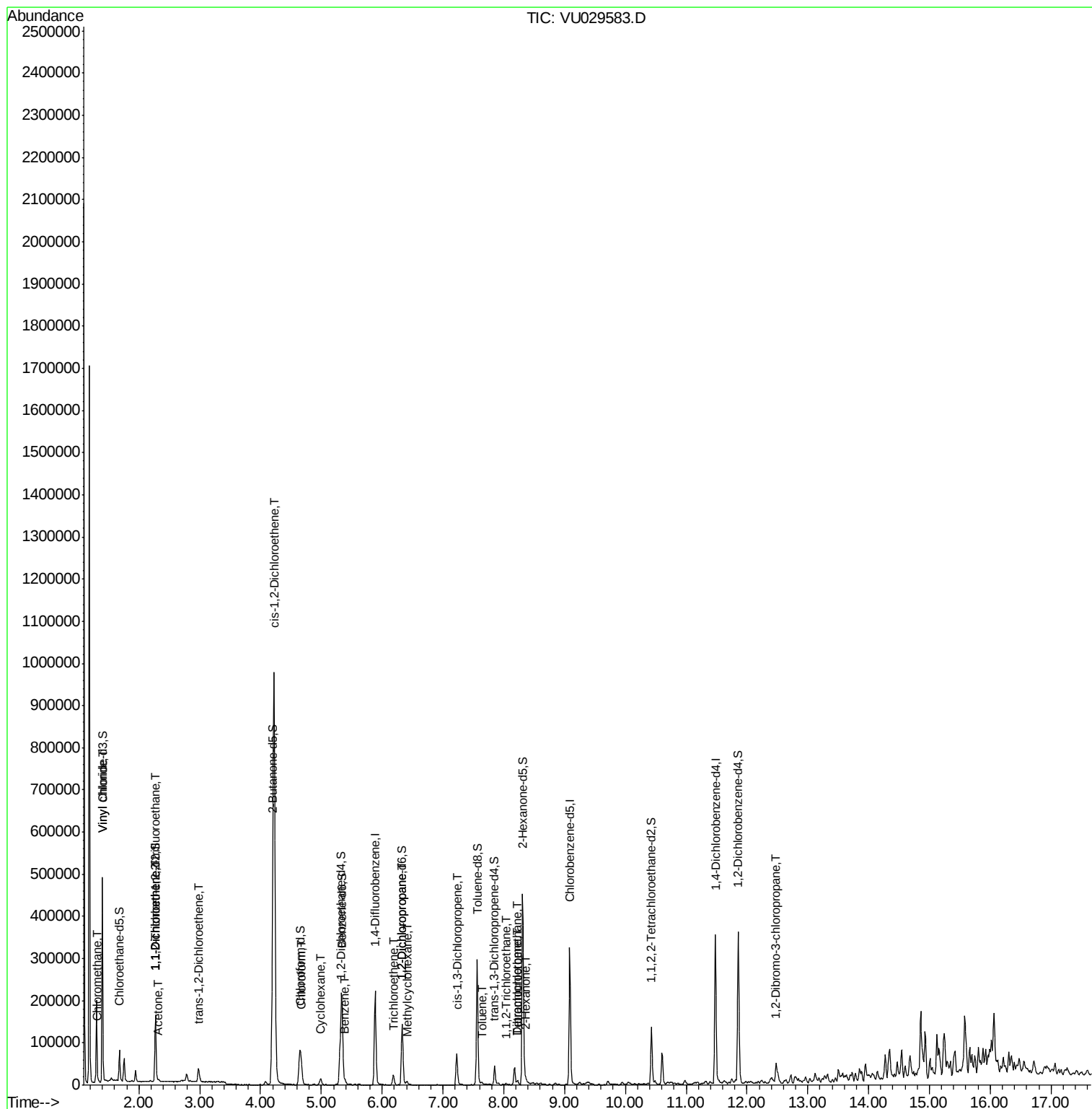
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.36	43	2858	0.476	ug/L #	81
49) Dibromochloromethane	8.23	129	2507	0.170	ug/L #	11
66) 1,2-Dibromo-3-chloropropan	12.48	75	1226	0.567	ug/L #	4

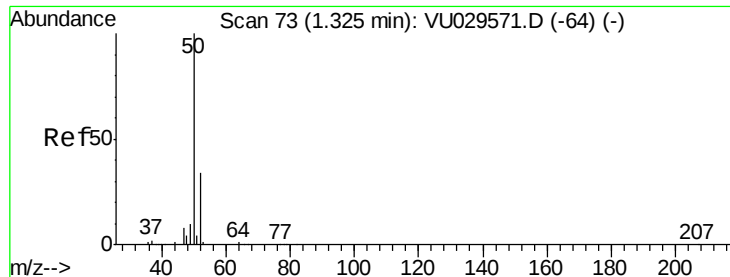
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.079 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

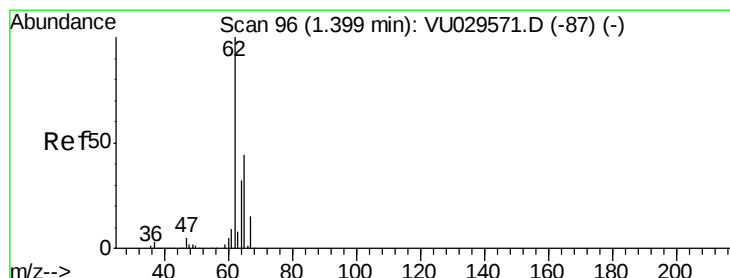
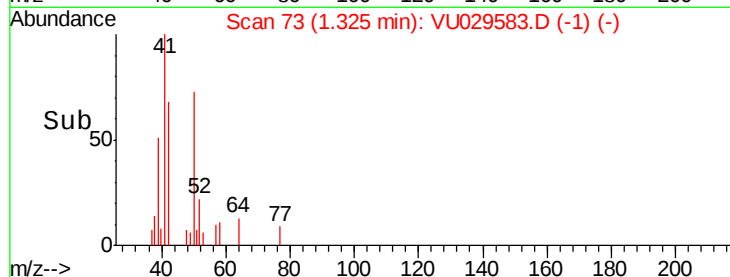
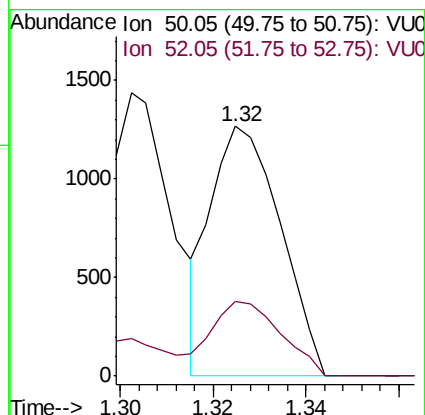
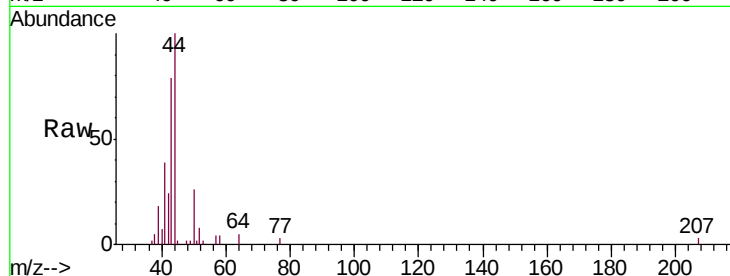
ESXE7

Tgt Ion: 50 Resp: 1325

Ion Ratio Lower Upper

50 100

52 29.9 23.1 42.9



#5

Vinyl chloride

Concen: 0.514 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029583.D

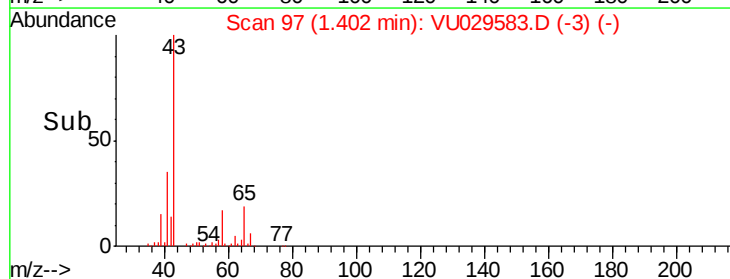
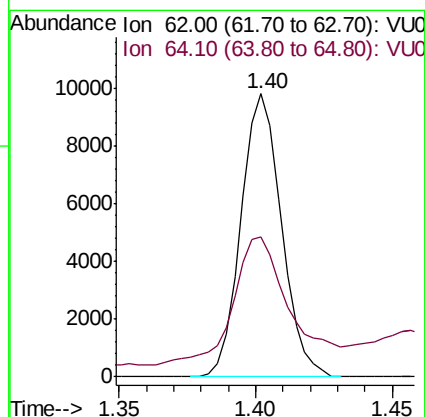
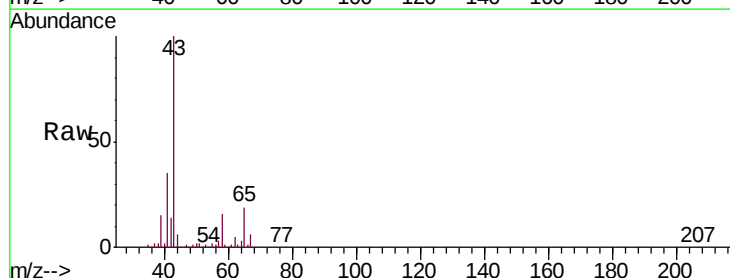
Acq: 20 Feb 2019 16:13

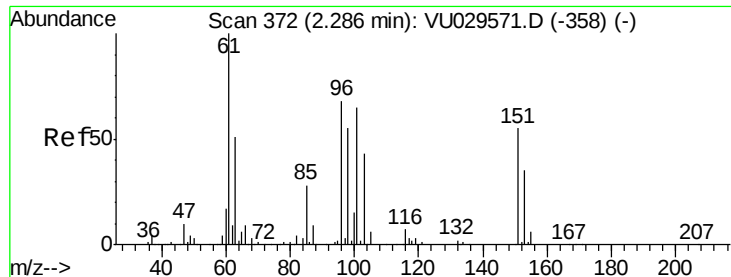
Tgt Ion: 62 Resp: 10044

Ion Ratio Lower Upper

62 100

64 49.6 23.5 43.7#





#10

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

Concen: 0.050 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

ESXE7

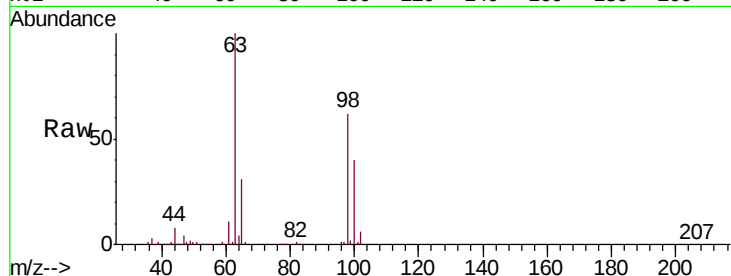
Tgt Ion: 101 Resp: 886

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

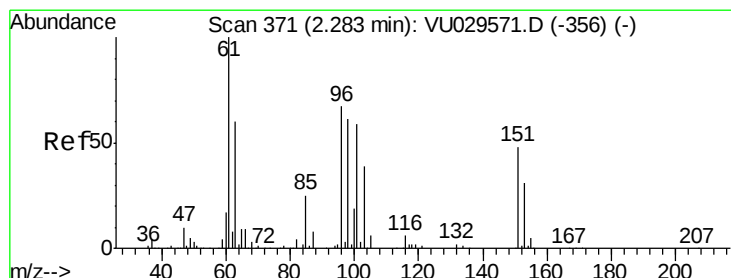
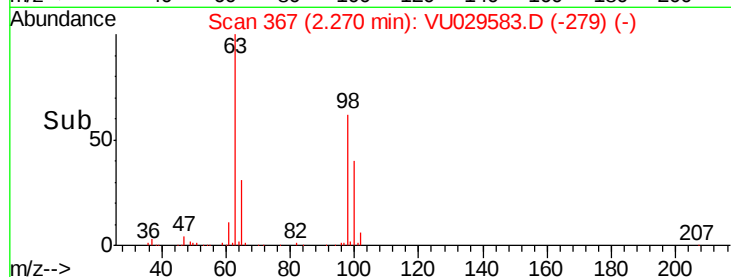
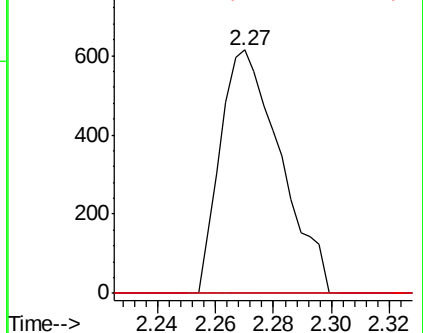
151 0.0 67.0 100.6#



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: 0.124 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

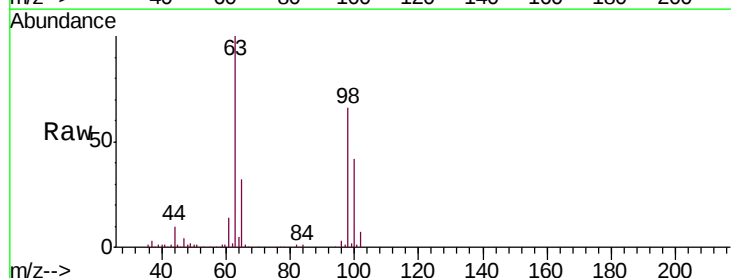
Tgt Ion: 96 Resp: 2069

Ion Ratio Lower Upper

96 100

61 533.9 115.1 213.7#

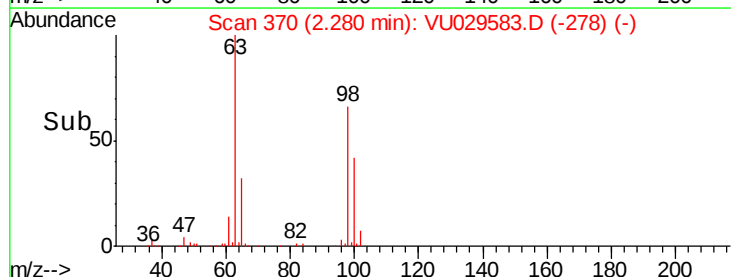
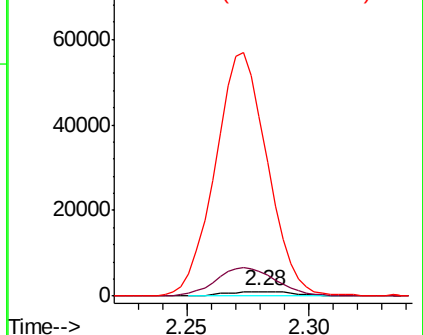
63 3795.1 83.5 155.1#

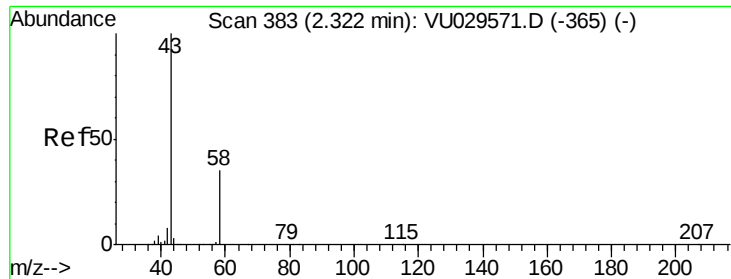


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.230 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

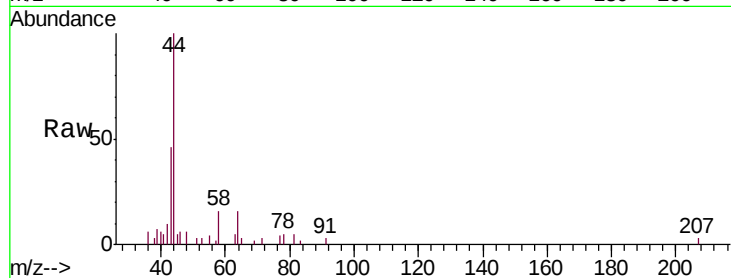
ESXE7

Tgt Ion: 43 Resp: 3164

Ion Ratio Lower Upper

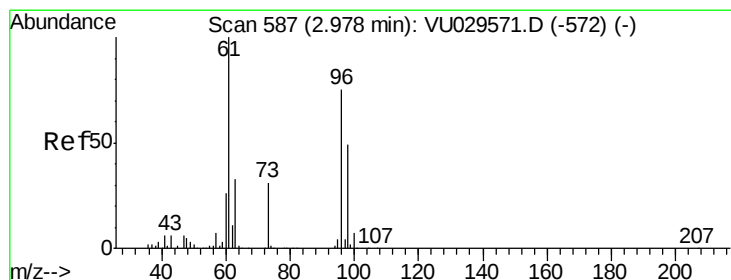
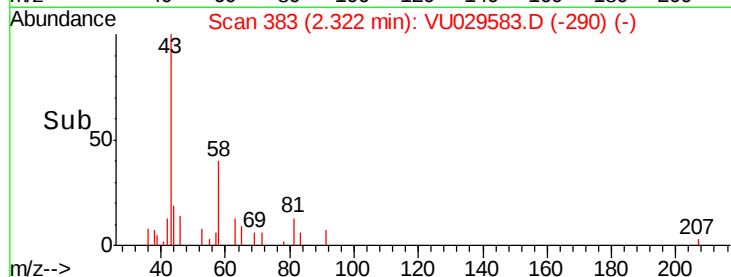
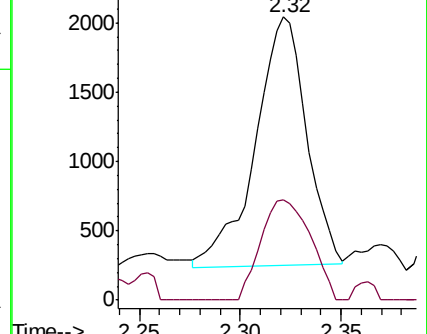
43 100

58 39.3 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.644 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

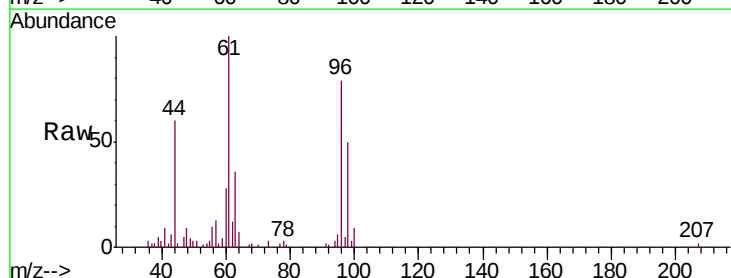
Tgt Ion: 96 Resp: 11455

Ion Ratio Lower Upper

96 100

61 126.9 95.4 177.2

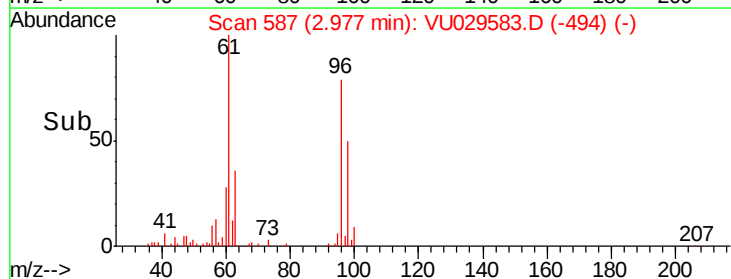
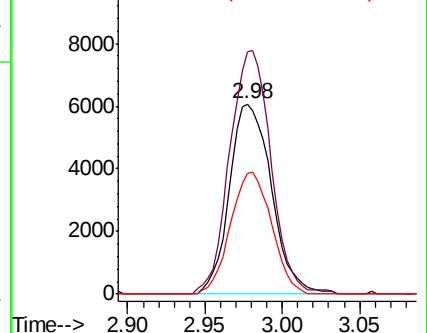
98 63.1 45.8 85.2

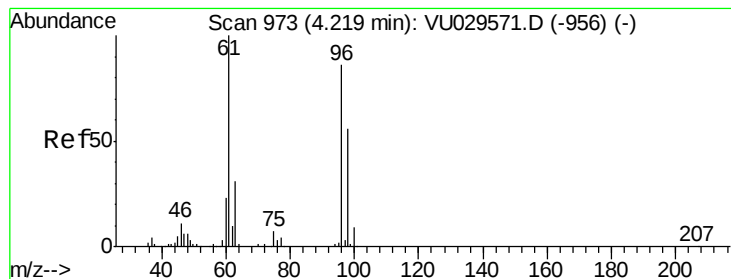


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



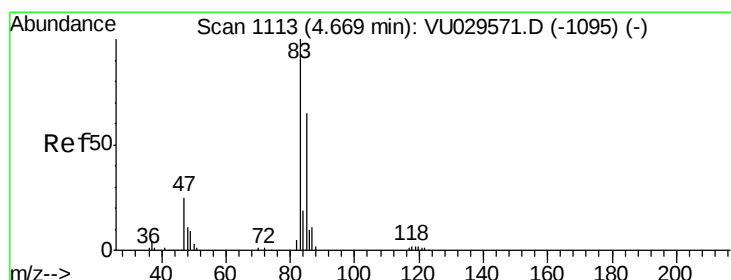
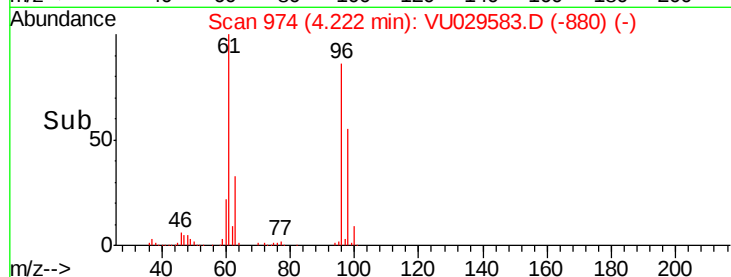
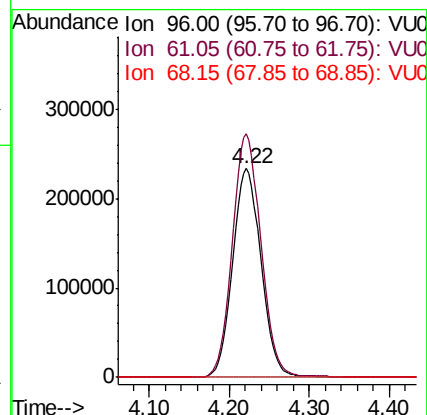
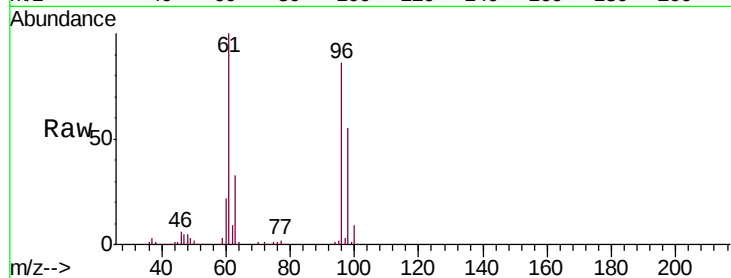


#22

cis-1,2-Dichloroethene
 Concen: 34.473 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
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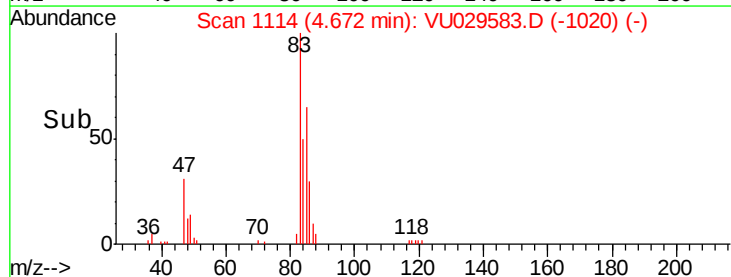
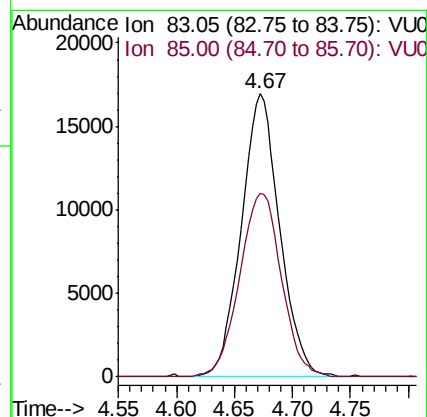
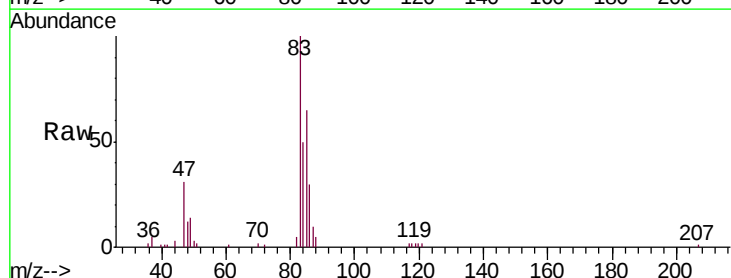
Tgt Ion: 96 Resp: 564133
 Ion Ratio Lower Upper
 96 100
 61 116.7 79.9 148.5
 68 0.0 0.0 0.0

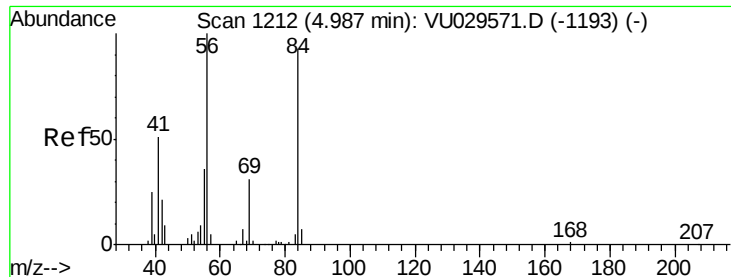


#25

Chloroform
 Concen: 1.455 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VU029583.D
 Acq: 20 Feb 2019 16:13

Tgt Ion: 83 Resp: 39008
 Ion Ratio Lower Upper
 83 100
 85 64.7 47.8 88.8

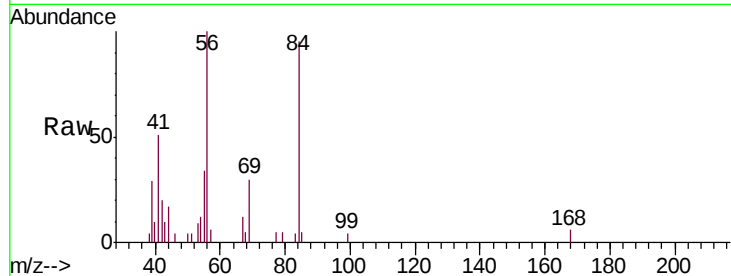




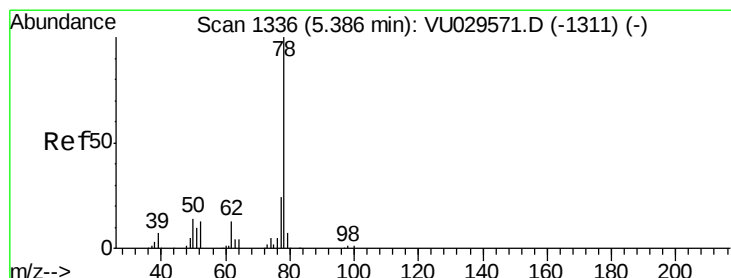
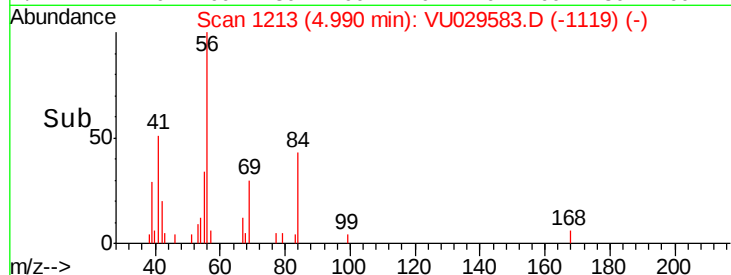
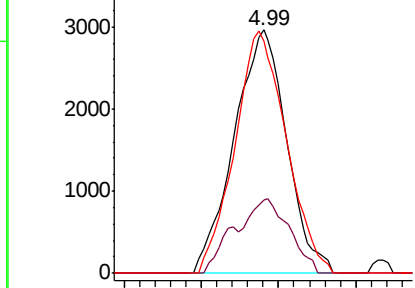
#30
Cyclohexane
Concen: 0.304 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU029583.D
Acq: 20 Feb 2019 16:13

Instrument :
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ClientSampleId :
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Tgt Ion: 56 Resp: 6986
Ion Ratio Lower Upper
56 100
69 31.5 25.8 38.6
84 97.2 75.0 112.6

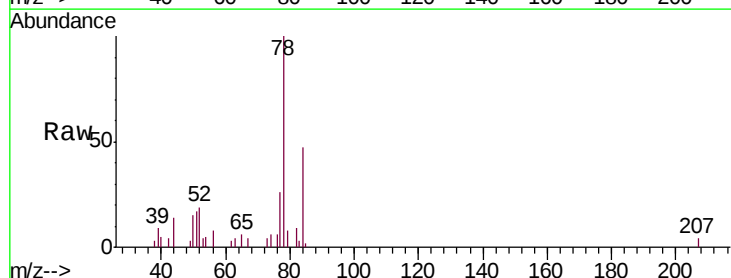


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

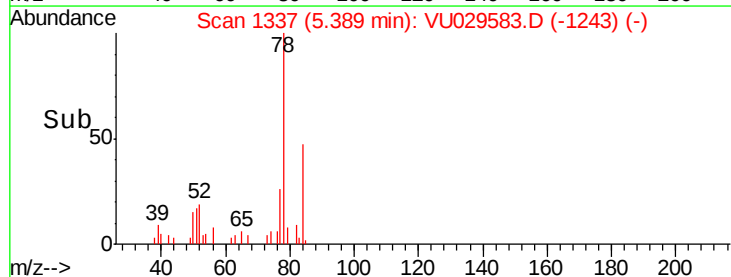
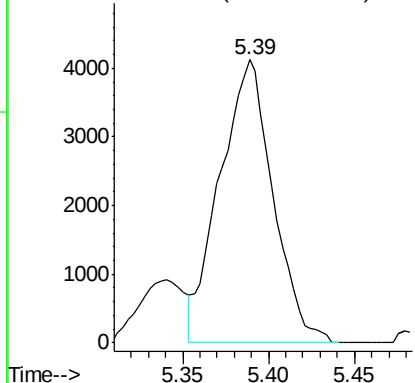


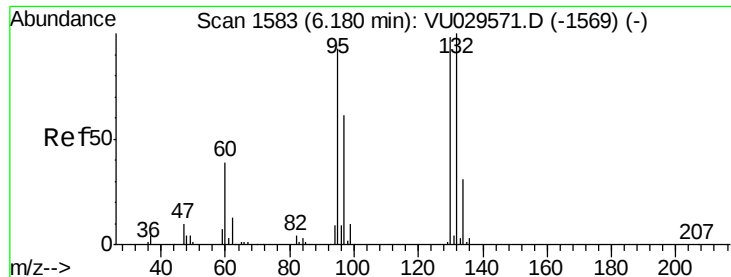
#33
Benzene
Concen: 0.156 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU029583.D
Acq: 20 Feb 2019 16:13

Tgt Ion: 78 Resp: 8877



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.508 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

ESXE7

Tgt Ion: 95 Resp: 8146

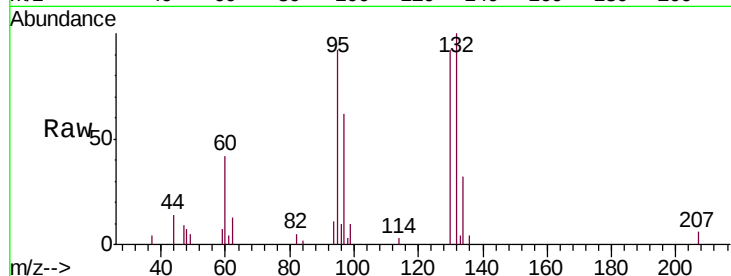
Ion Ratio Lower Upper

95 100

97 67.6 46.3 86.1

132 108.4 72.9 135.3

130 99.7 79.2 147.0

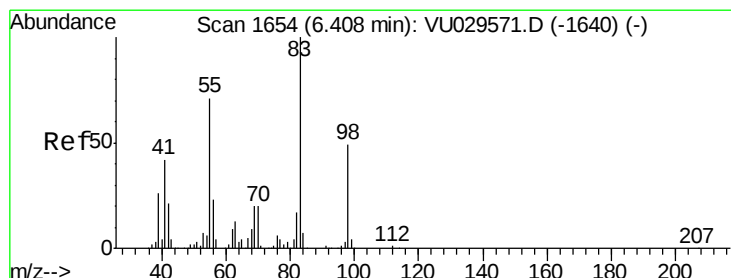
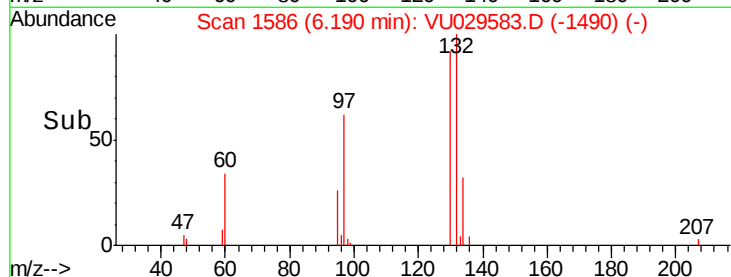
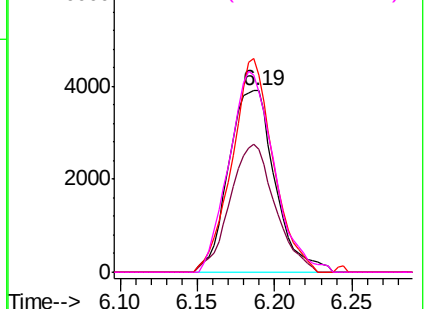


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.126 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

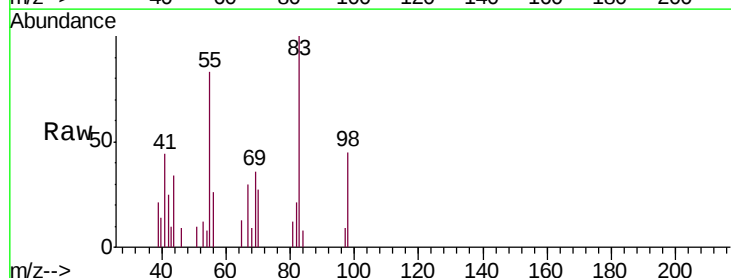
Tgt Ion: 83 Resp: 3408

Ion Ratio Lower Upper

83 100

55 74.1 55.9 83.9

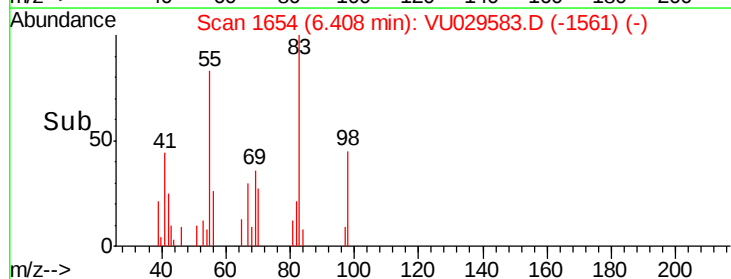
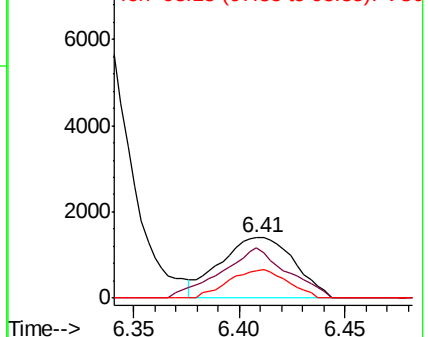
98 37.3 38.6 57.8#

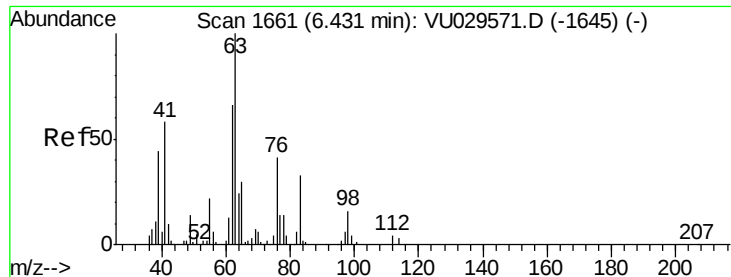


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.504 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

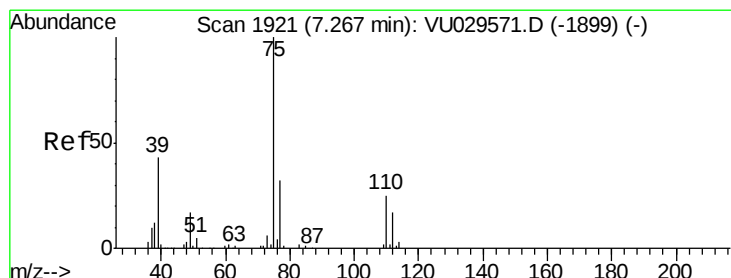
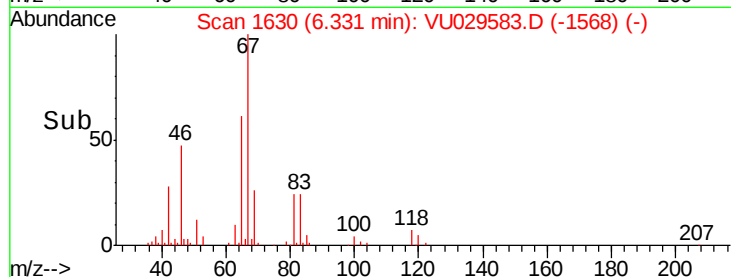
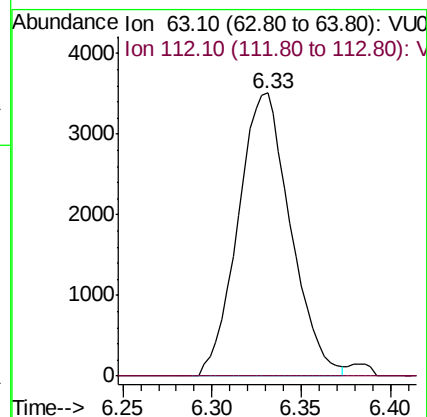
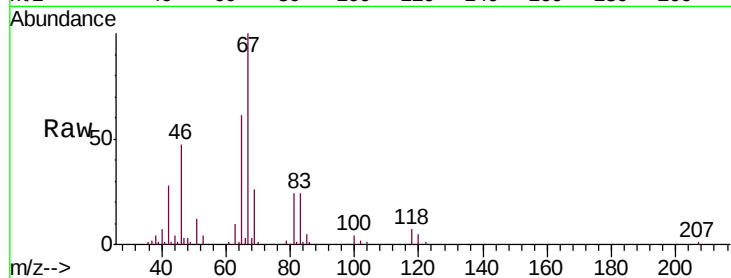
ESXE7

Tgt Ion: 63 Resp: 7211

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#39

cis-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029583.D

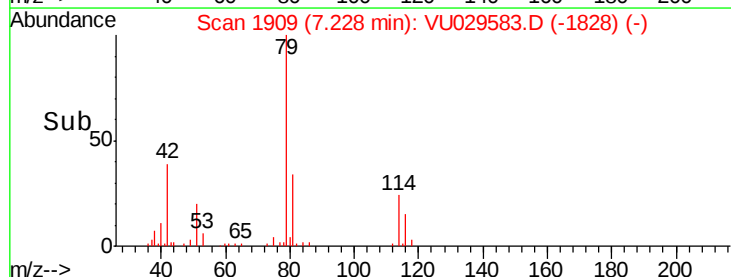
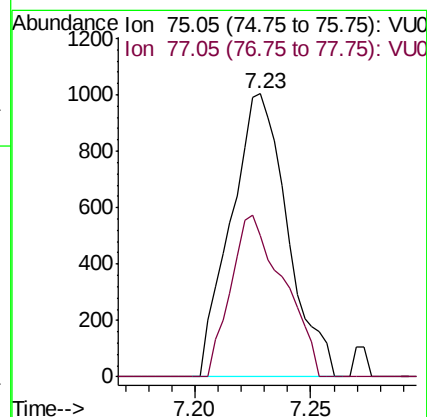
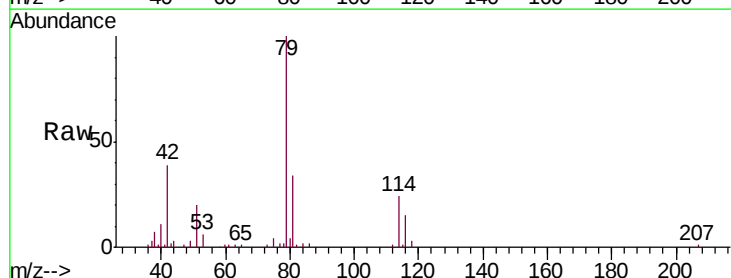
Acq: 20 Feb 2019 16:13

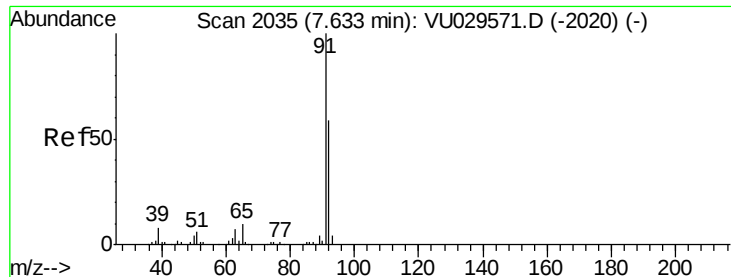
Tgt Ion: 75 Resp: 1701

Ion Ratio Lower Upper

75 100

77 49.9 22.3 41.3#





#42

Toluene

Concen: 0.049 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

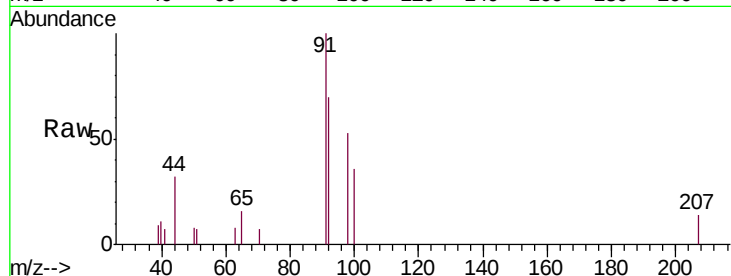
ESXE7

Tgt Ion: 91 Resp: 3133

Ion Ratio Lower Upper

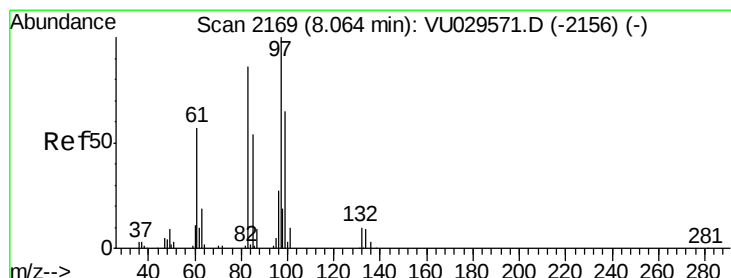
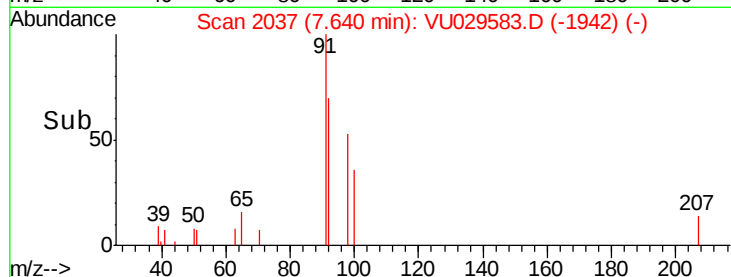
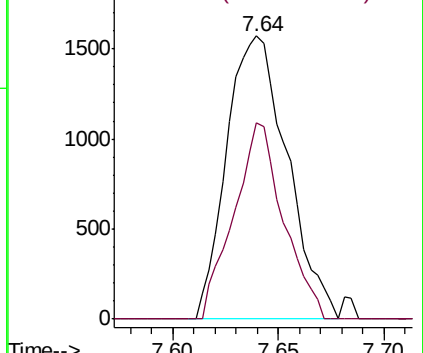
91 100

92 69.5 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#45

1,1,2-Trichloroethane

Concen: 0.112 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.02 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

Tgt Ion: 97 Resp: 1228

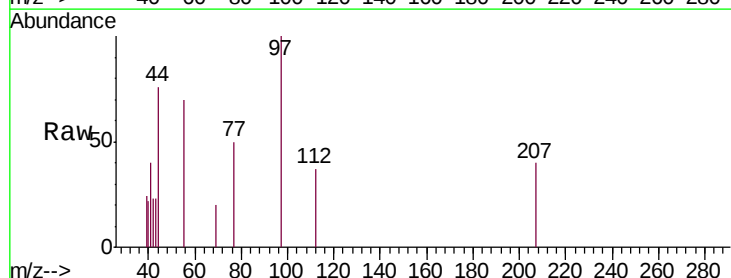
Ion Ratio Lower Upper

97 100

99 0.0 41.6 77.2#

83 0.0 55.8 103.6#

85 0.0 37.2 69.0#

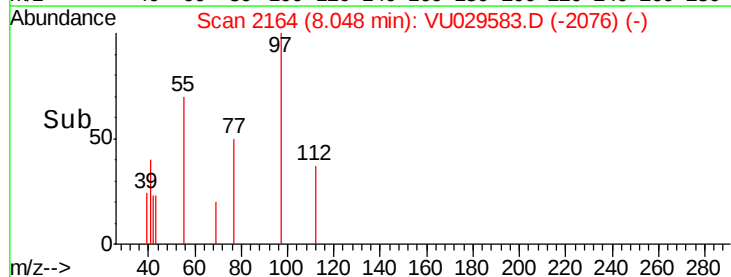
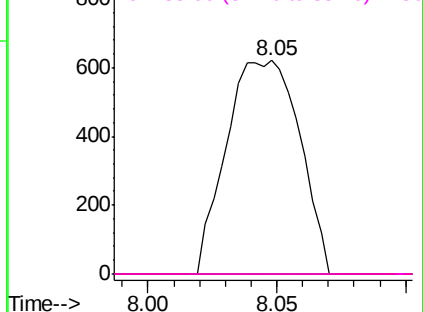


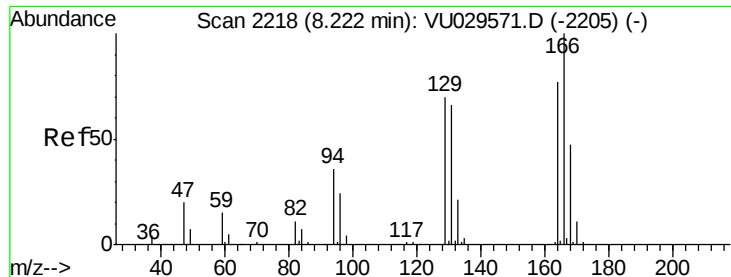
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

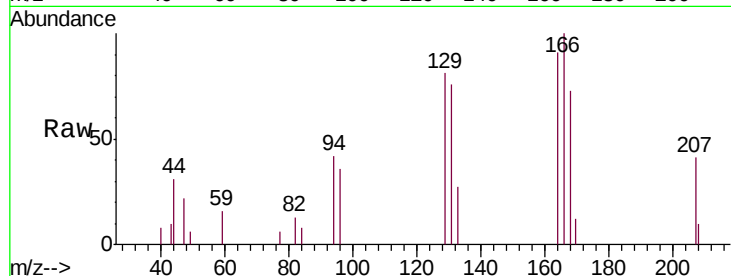




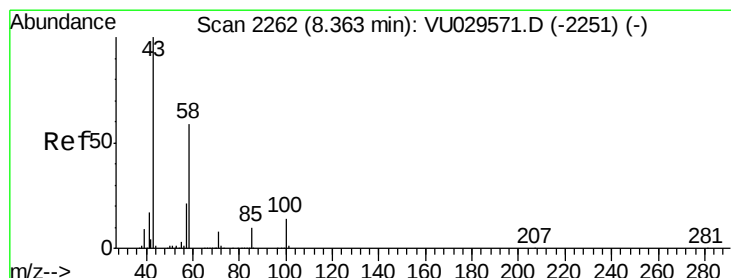
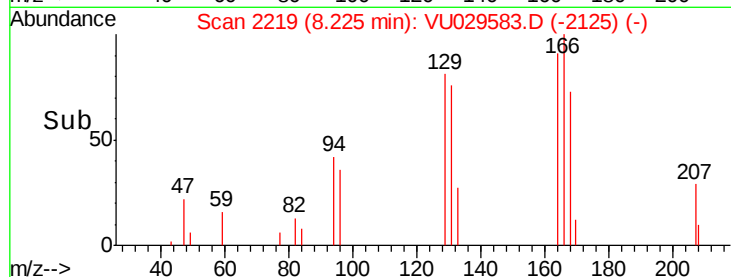
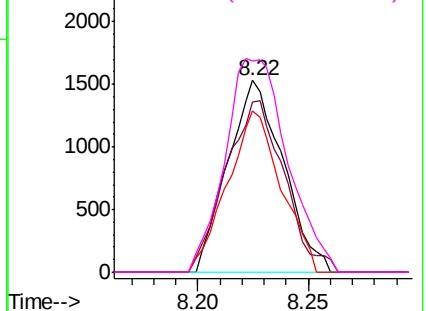
#47
Tetrachloroethene
Concen: 0.181 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029583.D
Acq: 20 Feb 2019 16:13

Instrument :
MSVOA_U
ClientSampleId :
ESXE7

Tgt Ion:164 Resp: 2662
Ion Ratio Lower Upper
164 100
129 89.0 62.9 116.9
131 83.8 62.1 115.3
166 110.4 89.8 166.8

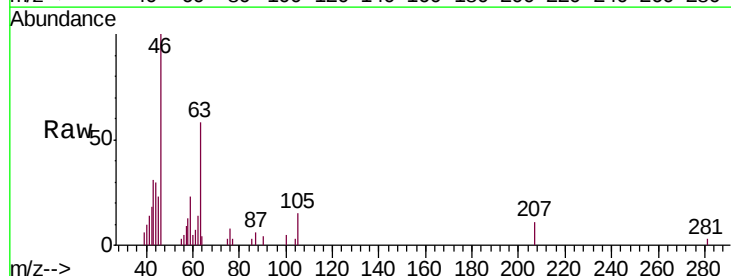


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

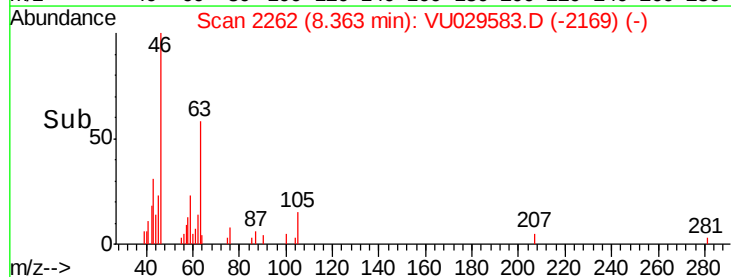
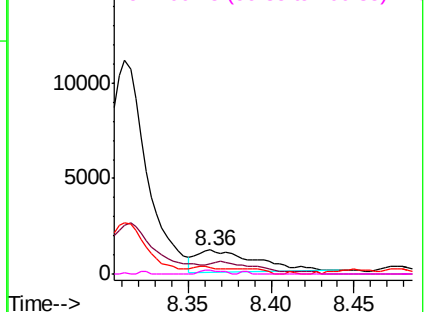


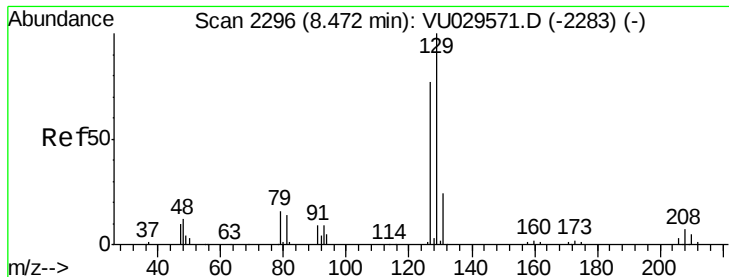
#48
2-Hexanone
Concen: 0.476 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU029583.D
Acq: 20 Feb 2019 16:13

Tgt Ion: 43 Resp: 2858
Ion Ratio Lower Upper
43 100
58 46.6 45.7 68.5
57 5.2 16.4 24.6#
100 5.6 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: 0.170 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. -0.24 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

Instrument :

MSVOA_U

ClientSampleId :

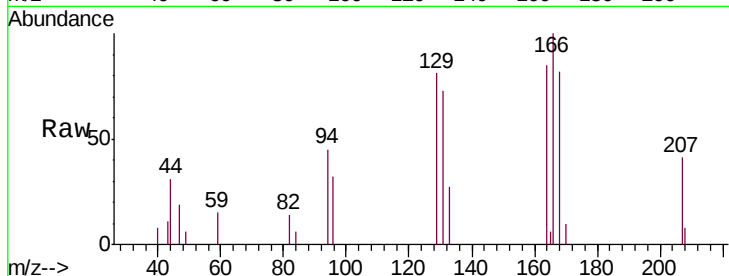
ESXE7

Tgt Ion:129 Resp: 2507

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

8.23

1500

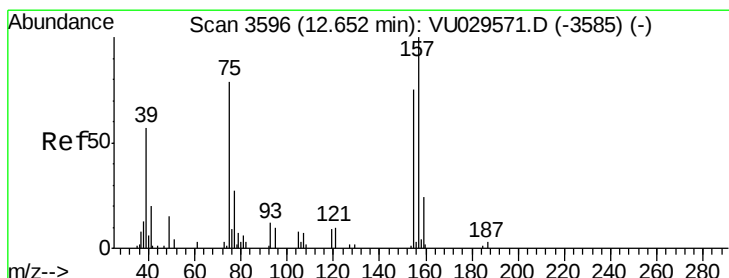
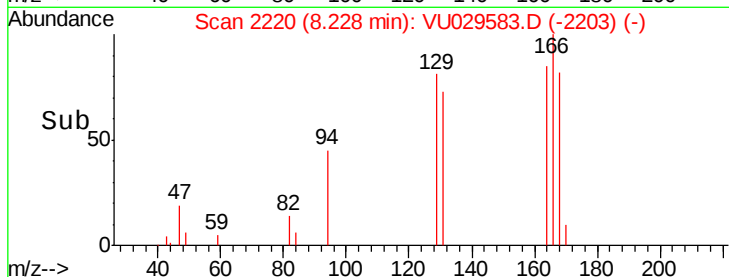
1000

500

0

8.20 8.25

Time-->



#66

1,2-Dibromo-3-chloropropane

Concen: 0.567 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.18 min

Lab File: VU029583.D

Acq: 20 Feb 2019 16:13

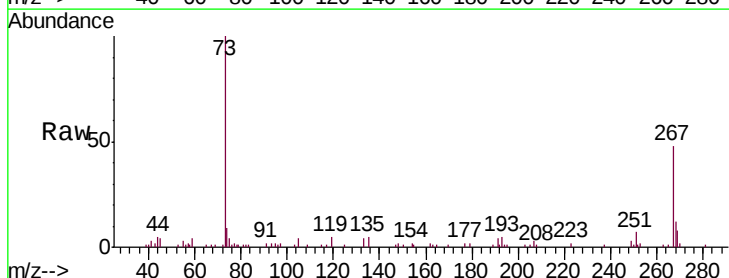
Tgt Ion: 75 Resp: 1226

Ion Ratio Lower Upper

75 100

155 22.3 75.3 112.9#

157 0.0 103.0 154.4#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

12.48

1000

800

600

400

200

0

12.45 12.50

Time-->

