

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112018\
 Data File : VU028285.D
 Acq On : 20 Nov 2018 18:10
 Operator : MD/SY
 Sample : J5995-08DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 07:11:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 07:07:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	127039	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	123628	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53670	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	40188	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.68	69	39278	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.28	63	61478	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.20	46	180382	56.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.78%
24) Chloroform-d	4.65	84	88151	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.31	65	49394	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.34	84	165670	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.33	67	65098	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.57	98	134938	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.85	79	17389	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.32	63	124607	50.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	50524	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	50108	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	4235	0.328 ug/L #	71
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	490	0.059 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	496	0.063 ug/L #	1
13) Acetone	2.33	43	1501	0.682 ug/L	83
15) Methyl Acetate	2.62	43	629	0.108 ug/L #	59
17) Methyl tert-butyl Ether	3.01	73	299267	12.738 ug/L	98
18) trans-1,2-Dichloroethene	2.99	96	1772	0.213 ug/L	86
19) 1,1-Dichloroethane	3.45	63	1823	0.094 ug/L #	79
22) cis-1,2-Dichloroethene	4.23	96	61623	6.258 ug/L	96
25) Chloroform	4.68	83	2316	0.111 ug/L	81
34) Trichloroethene	6.19	95	19899	1.993 ug/L	97
35) Methylcyclohexane	6.33	83	13240	0.841 ug/L #	13
37) 1,2-Dichloropropane	6.33	63	6386	0.549 ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1364	0.092 ug/L	92
48) 2-Hexanone	8.37	43	3016	0.508 ug/L #	92
49) Dibromochloromethane	8.23	129	355	0.050 ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	7642	1.136 ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 07:07:52 2018
Response via : Initial Calibration

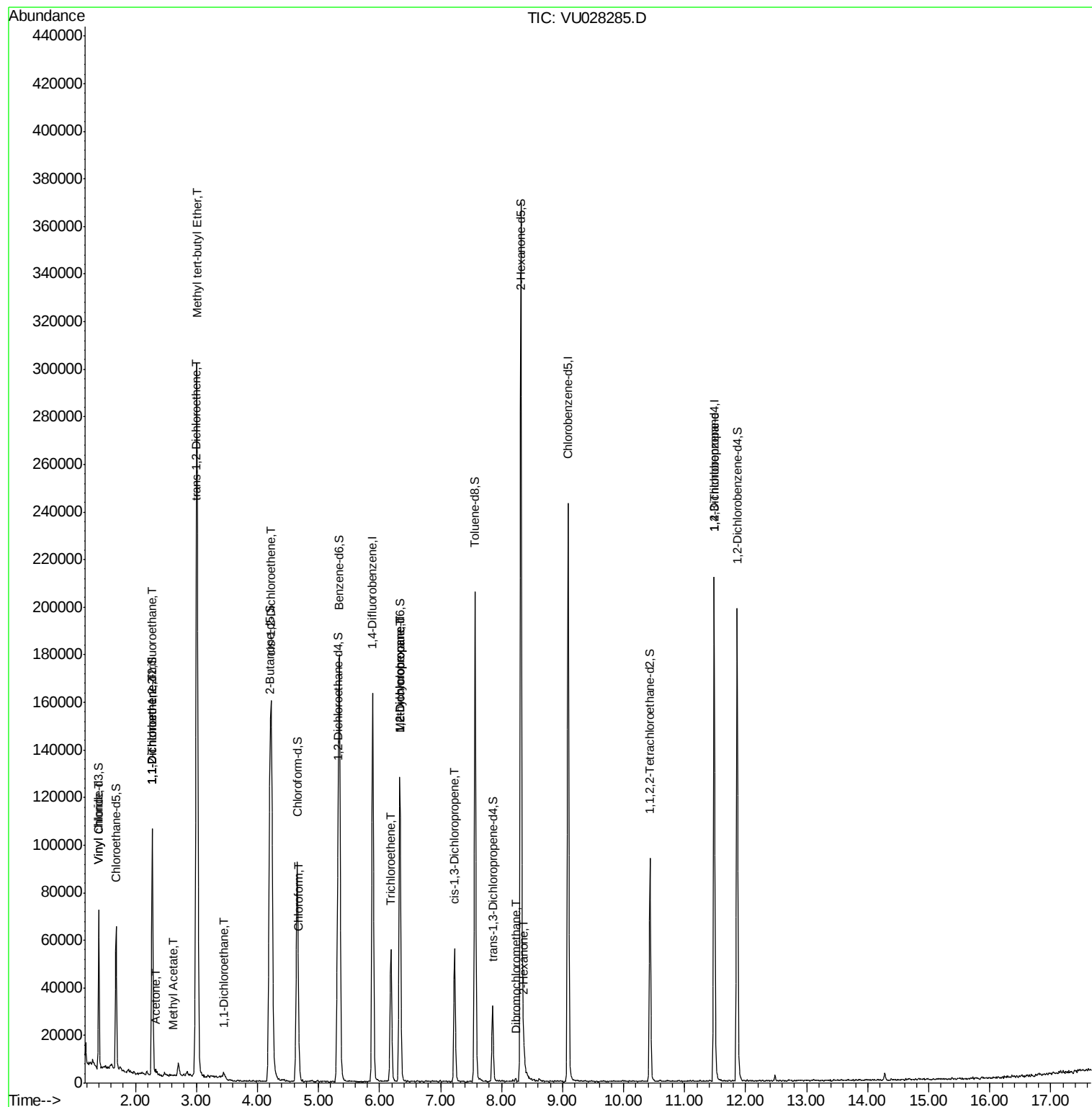
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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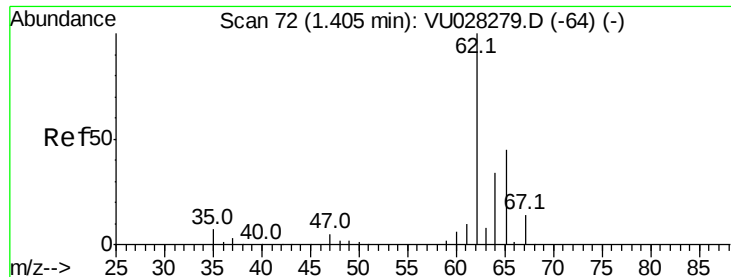
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.328 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

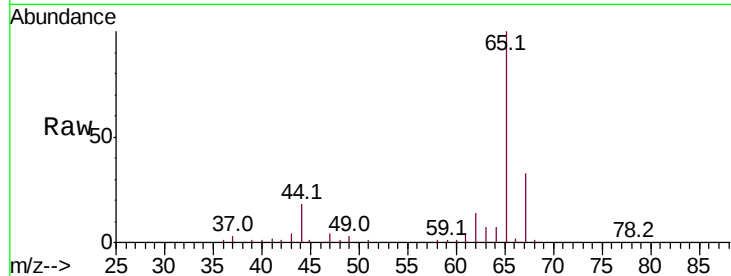
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 4235

Ion Ratio Lower Upper

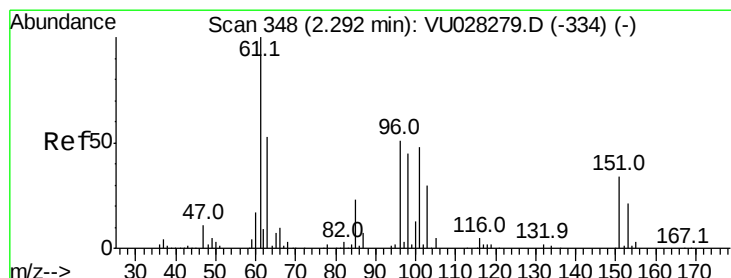
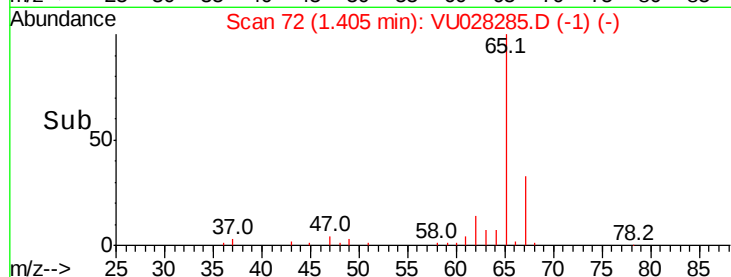
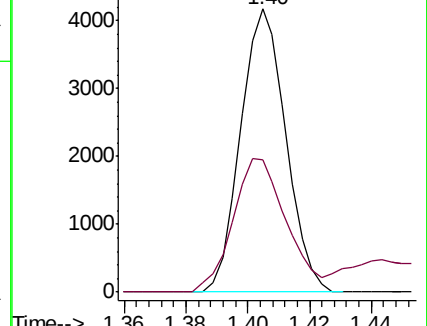
62 100

64 46.7 21.7 40.3#



Abundance Ion 62.00 (61.70 to 62.70): VU028279.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VU028279.D (-64) (-)



#10

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

Concen: 0.059 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

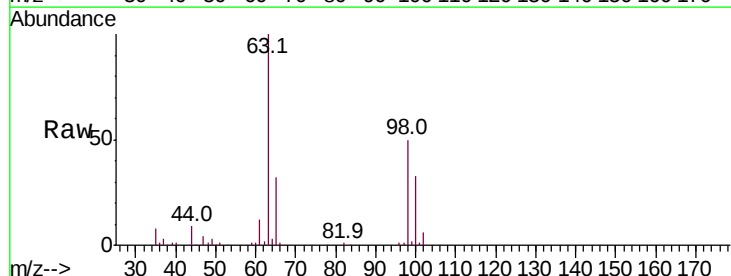
Tgt Ion: 101 Resp: 490

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

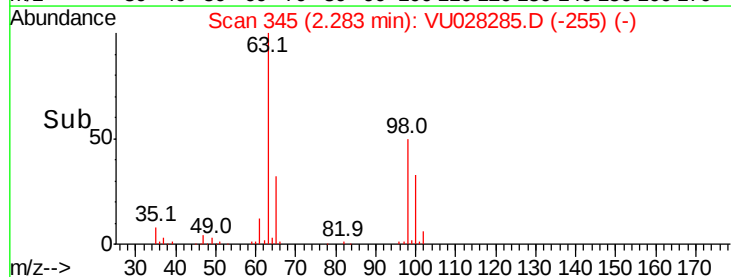
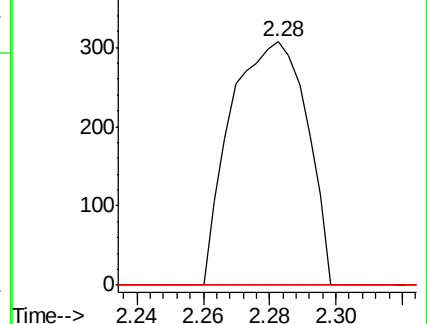
151 0.0 55.0 82.4#

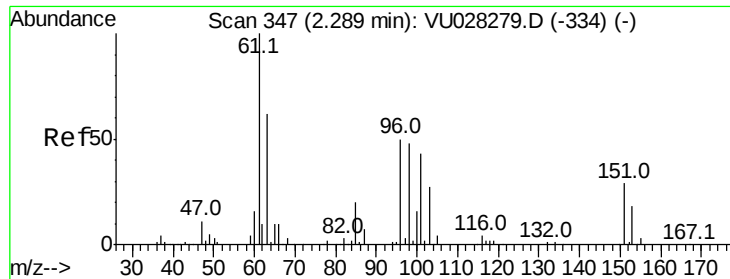


Abundance Ion 101.00 (100.70 to 101.70): VU028279.D (-334) (-)

Ion 85.00 (84.70 to 85.70): VU028279.D (-334) (-)

Ion 151.00 (150.70 to 151.70): VU028279.D (-334) (-)





#12

1,1-Dichloroethene

Concen: 0.063 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

Instrument :

MSVOA_U

ClientSampled :

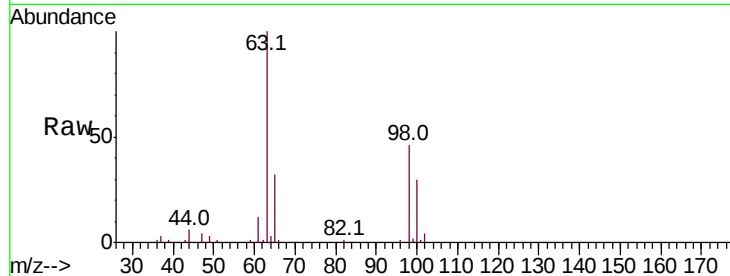
Tot Ion: 96 Resp: 496

Ion Ratio Lower Upper

96 100

61 1281.7 145.5 270.1#

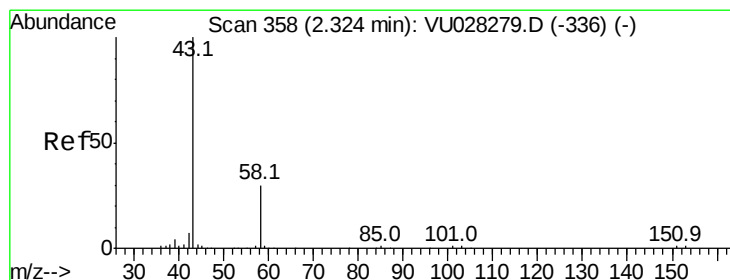
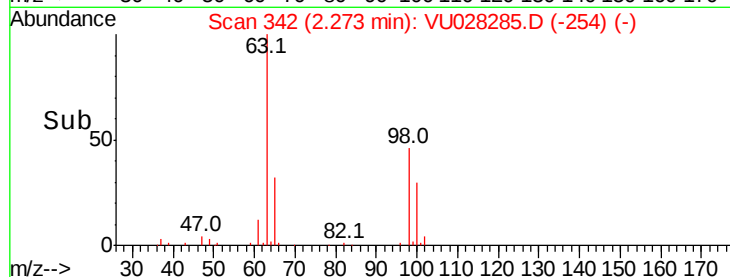
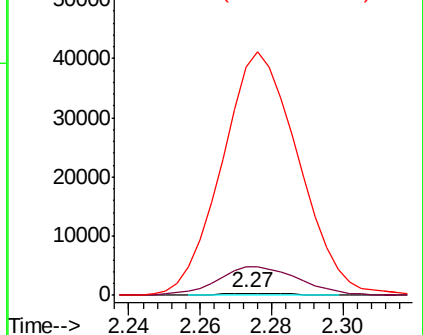
63 10415.1 98.6 183.2#



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: 0.682 ug/L

RT: 2.33 min Scan# 360

Delta R.T. 0.01 min

Lab File: VU028285.D

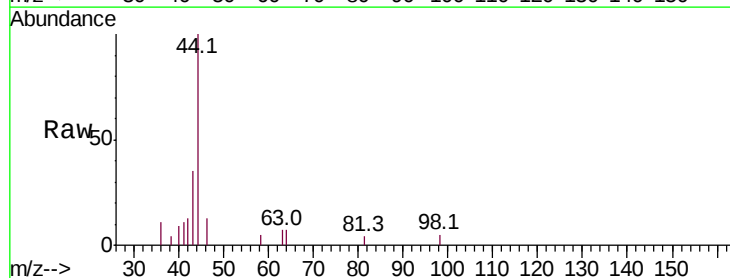
Acq: 20 Nov 2018 18:10

Tgt Ion: 43 Resp: 1501

Ion Ratio Lower Upper

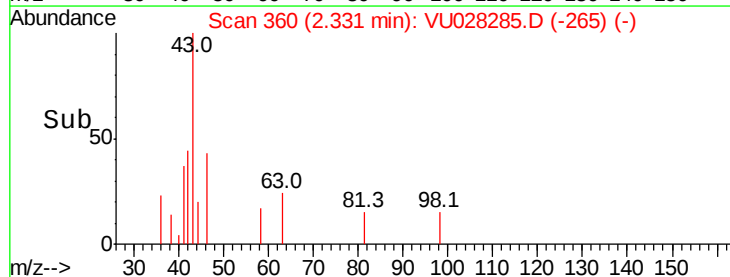
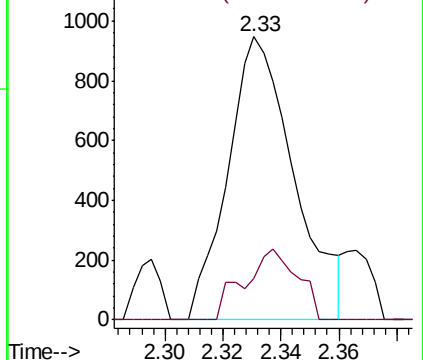
43 100

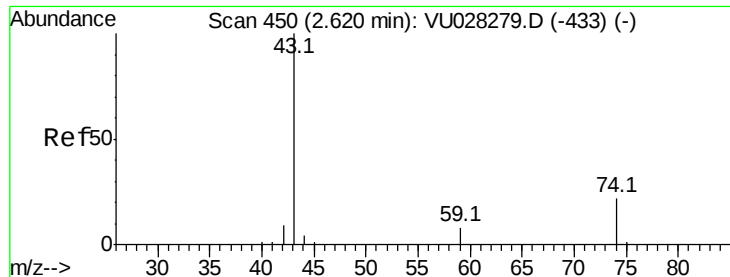
58 20.2 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#15

Methyl Acetate

Concen: 0.108 ug/L

RT: 2.62 min Scan# 451

Delta R.T. 0.00 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

Instrument :

MSVOA_U

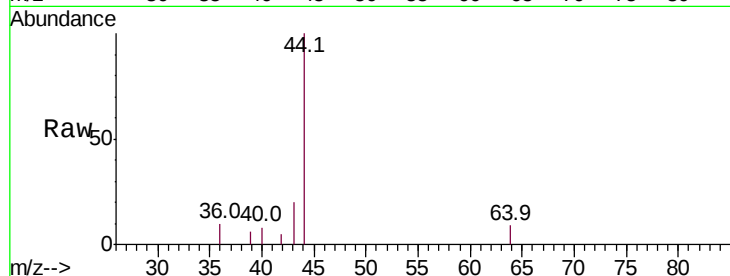
ClientSampled :

Tot Ion: 43 Resp: 629

Ion Ratio Lower Upper

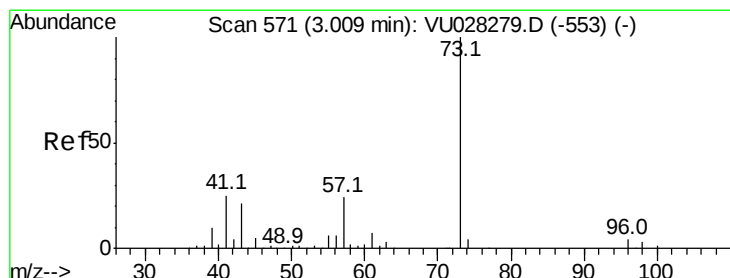
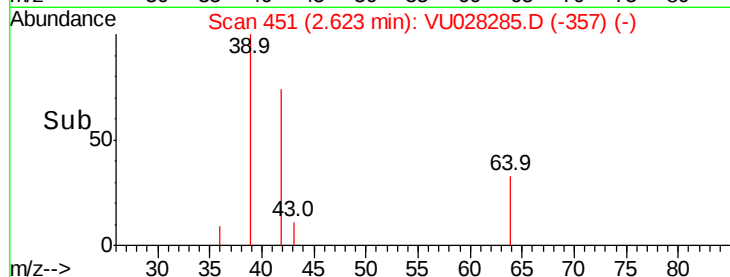
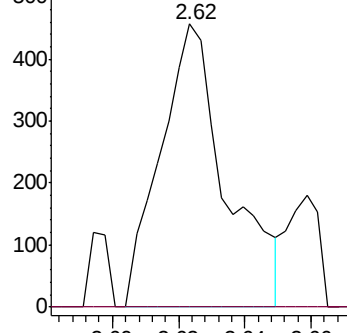
43 100

74 0.0 14.7 22.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#17

Methyl tert-butyl Ether

Concen: 12.738 ug/L

RT: 3.01 min Scan# 571

Delta R.T. -0.00 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

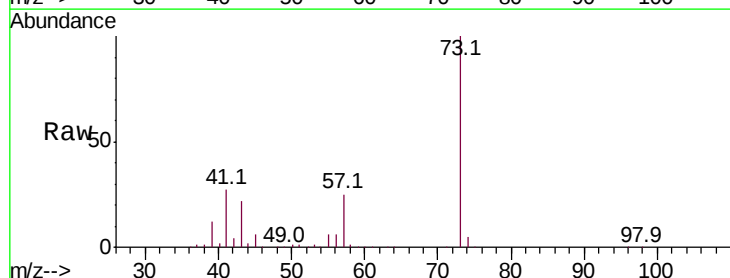
Tgt Ion: 73 Resp: 299267

Ion Ratio Lower Upper

73 100

43 22.2 18.8 28.2

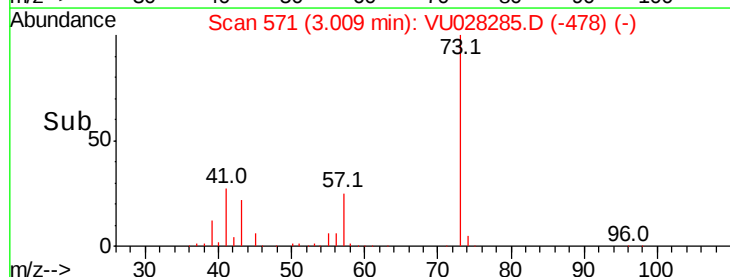
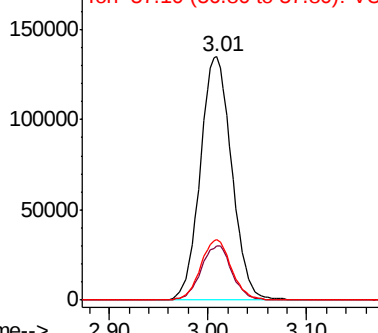
57 24.2 19.2 28.8

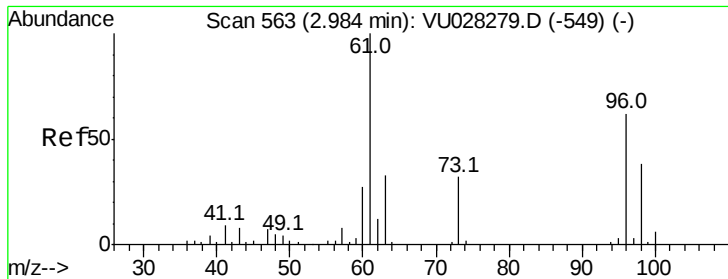


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.213 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

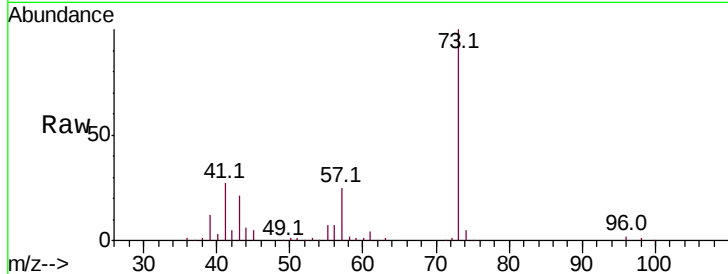
Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 1772

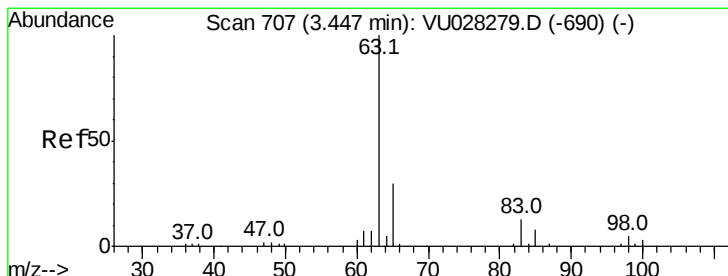
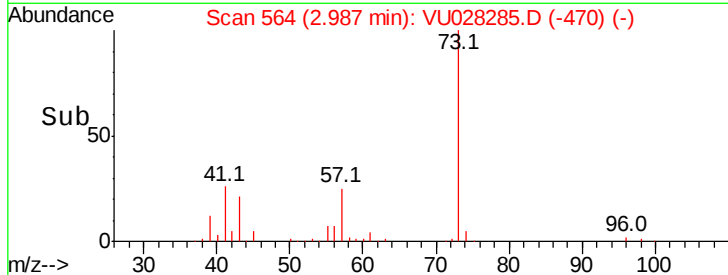
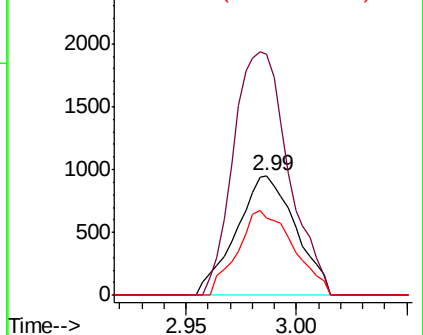
Ion	Ratio	Lower	Upper
96	100		
61	201.2	122.2	227.0
98	64.3	44.9	83.5



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



#19

1,1-Dichloroethane

Concen: 0.094 ug/L

RT: 3.45 min Scan# 707

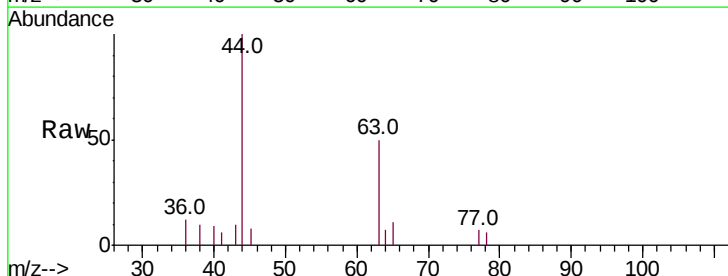
Delta R.T. -0.00 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

Tgt Ion: 63 Resp: 1823

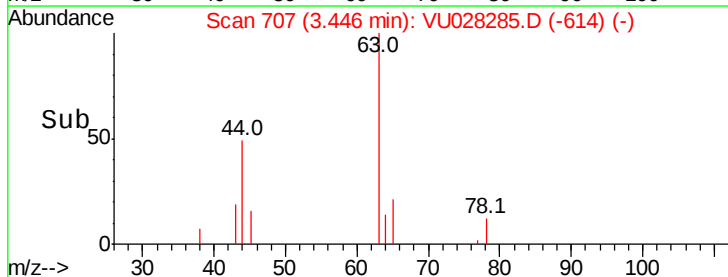
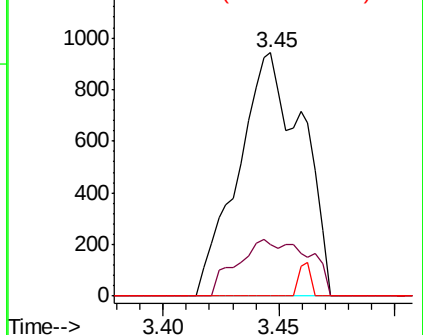
Ion	Ratio	Lower	Upper
63	100		
65	21.2	21.2	39.4#
83	0.0	8.8	16.4#

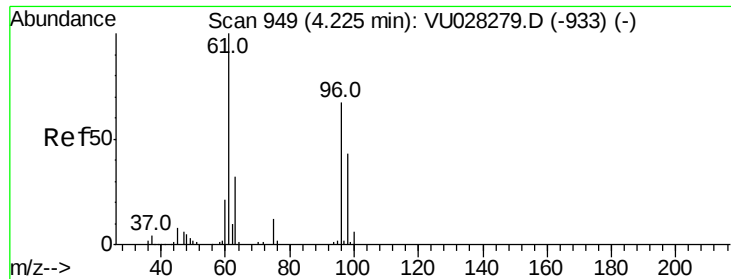


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 6.258 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

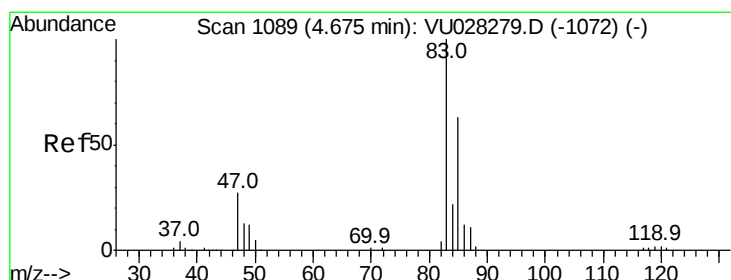
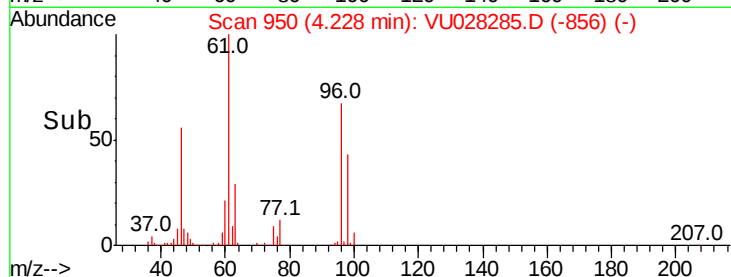
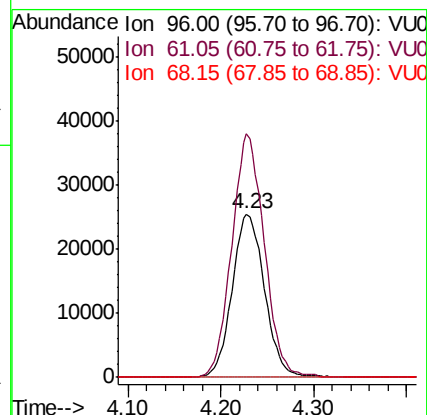
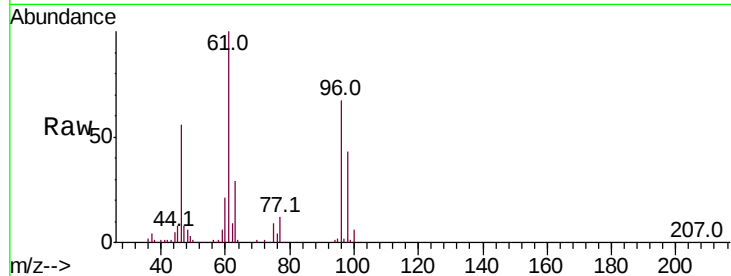
Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 61623

Ion	Ratio	Lower	Upper
96	100		
61	149.3	108.0	200.6
68	0.0	0.0	0.0



#25

Chloroform

Concen: 0.111 ug/L

RT: 4.68 min Scan# 1091

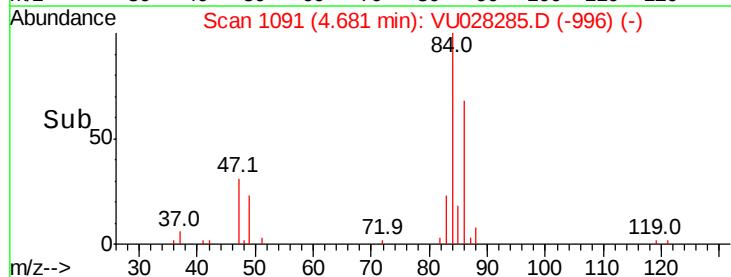
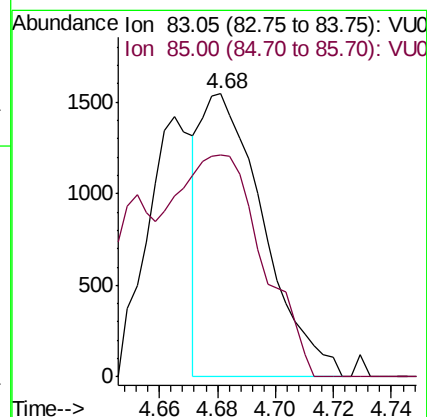
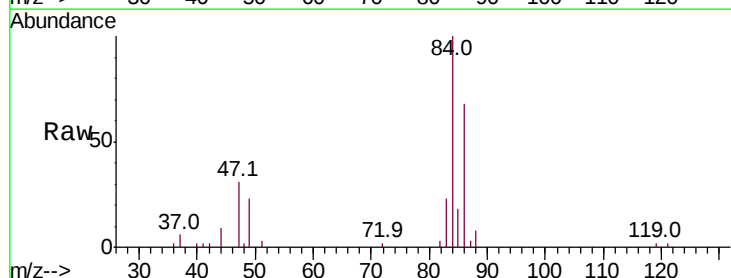
Delta R.T. 0.01 min

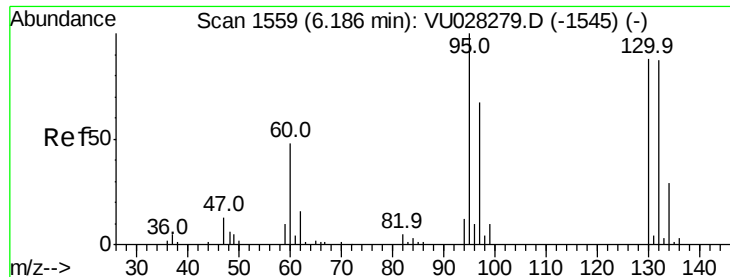
Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

Tgt Ion: 83 Resp: 2316

Ion	Ratio	Lower	Upper
83	100		
85	78.6	44.6	82.8





#34

Trichloroethene

Concen: 1.993 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 19899

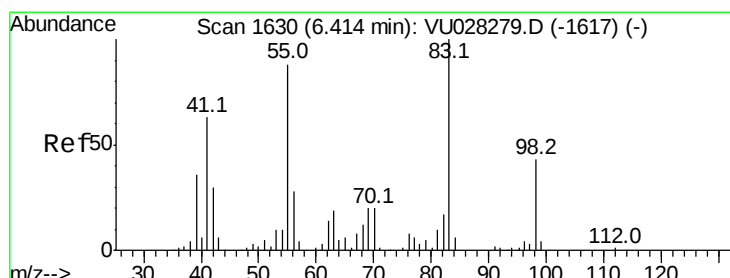
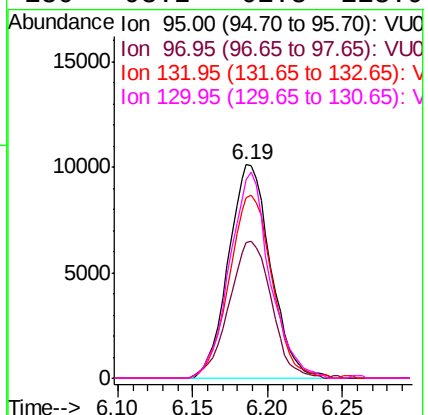
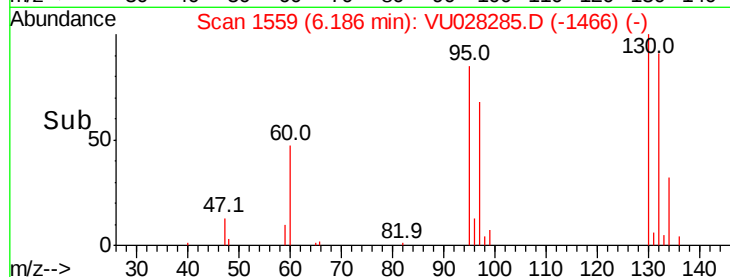
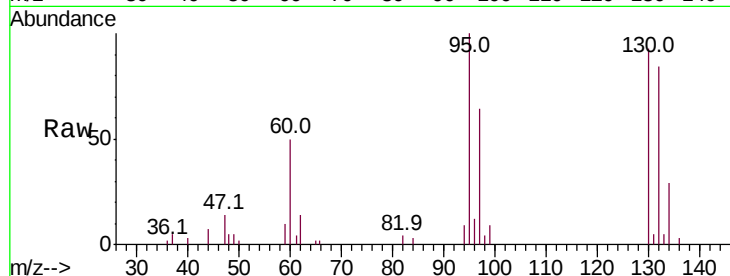
Ion Ratio Lower Upper

95 100

97 63.8 46.5 86.3

132 84.4 58.9 109.3

130 93.2 61.3 113.9



#35

Methylcyclohexane

Concen: 0.841 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

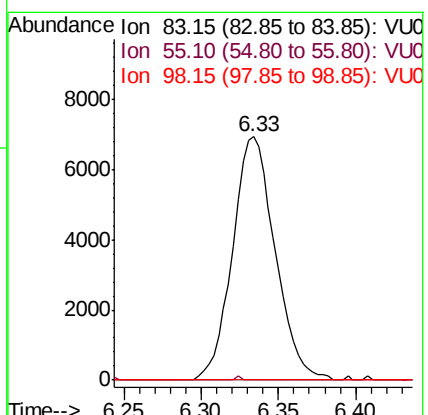
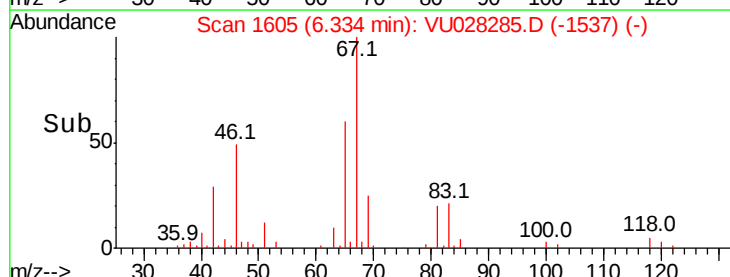
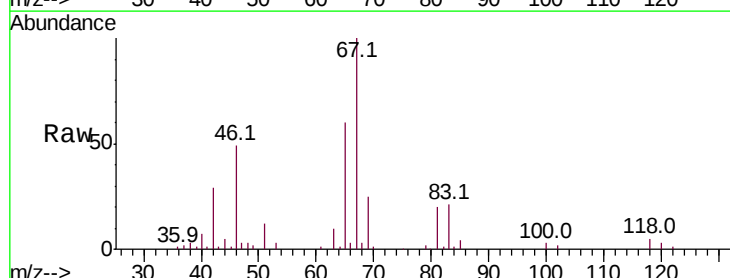
Tgt Ion: 83 Resp: 13240

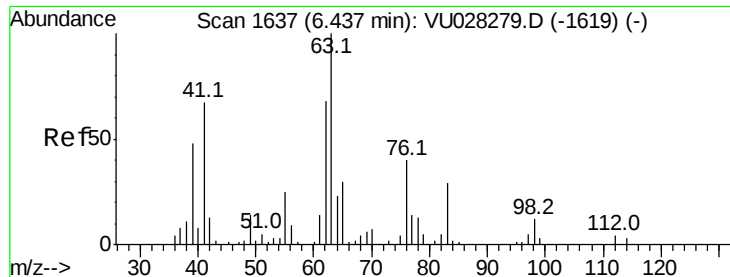
Ion Ratio Lower Upper

83 100

55 0.2 73.2 109.8#

98 0.0 33.4 50.2#





#37

1,2-Dichloropropane

Concen: 0.549 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

Instrument :

MSVOA_U

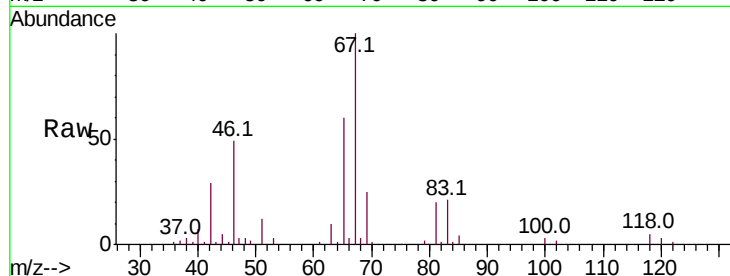
ClientSampleId :

Tot Ion: 63 Resp: 6386

Ion Ratio Lower Upper

63 100

112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU028279.D (-1619) (-)

Ion 112.10 (111.80 to 112.80): VU028279.D (-1619) (-)

6.33

3000

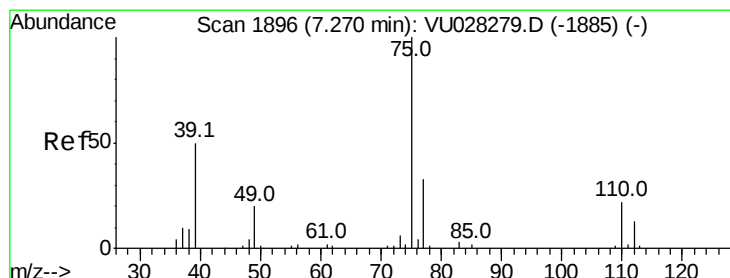
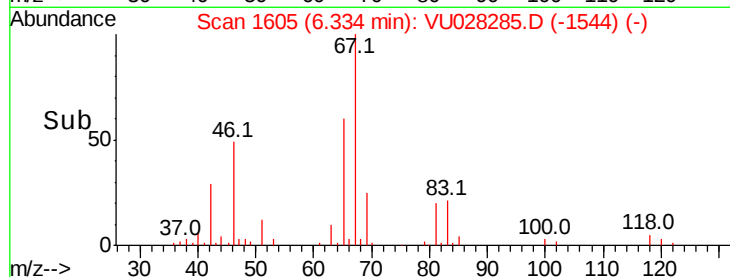
2000

1000

0

6.30 6.35 6.40

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU028285.D

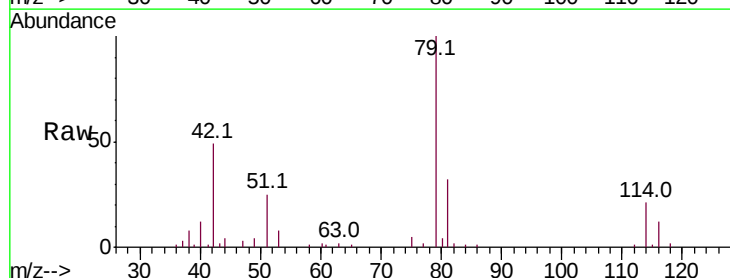
Acq: 20 Nov 2018 18:10

Tgt Ion: 75 Resp: 1364

Ion Ratio Lower Upper

75 100

77 35.7 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU028279.D (-1885) (-)

Ion 77.05 (76.75 to 77.75): VU028279.D (-1885) (-)

7.23

1000

800

600

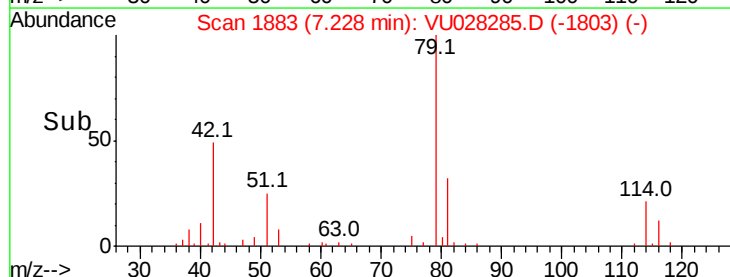
400

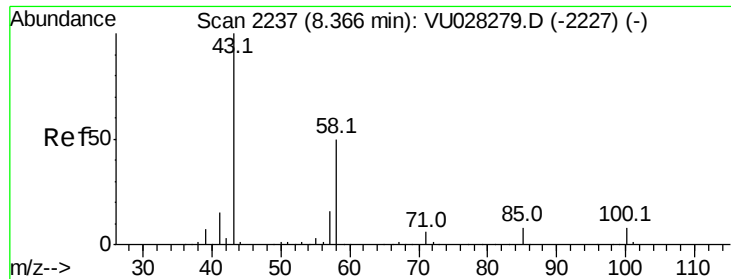
200

0

7.20 7.25

Time-->

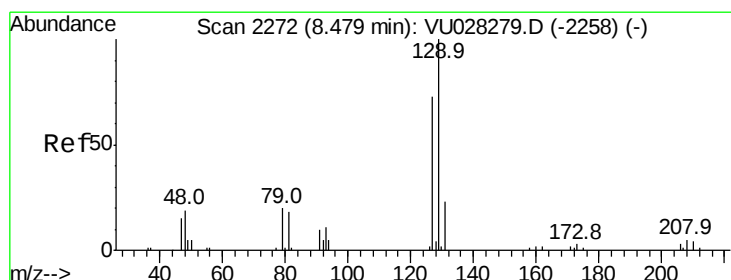
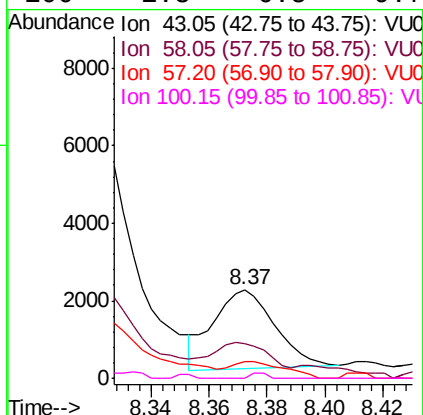
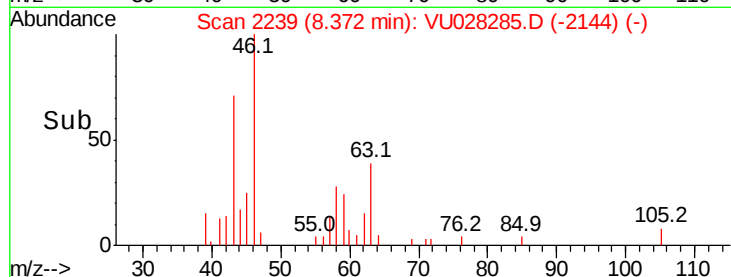
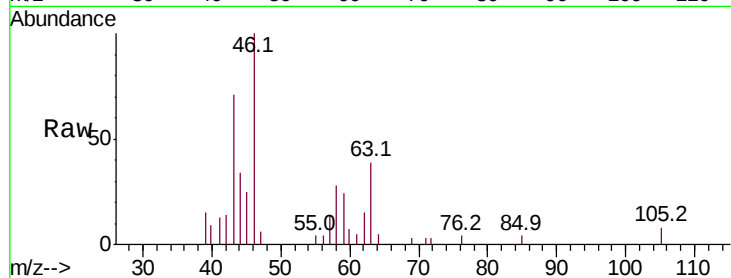




#48
2-Hexanone
Concen: 0.508 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU028285.D
Acq: 20 Nov 2018 18:10

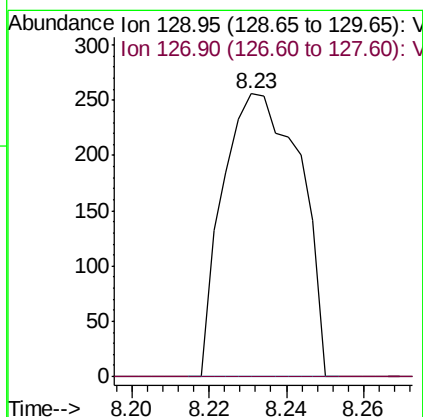
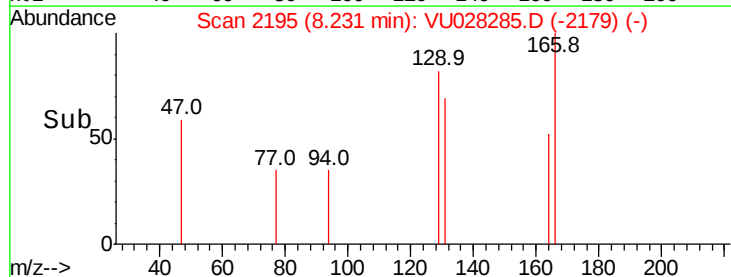
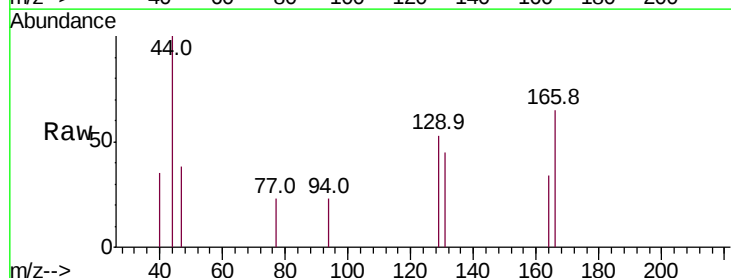
Instrument :
MSVOA_U
ClientSampleId :

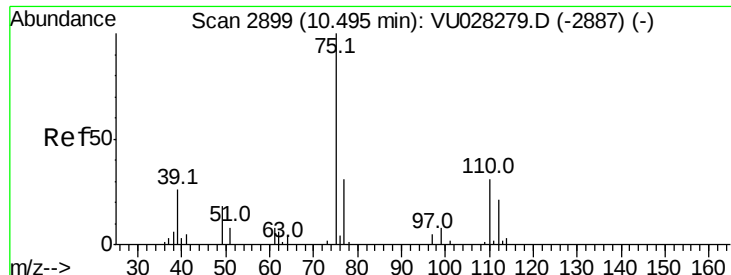
Tot Ion: 43 Resp: 3016
Ion Ratio Lower Upper
43 100
58 45.8 41.1 61.7
57 18.9 13.8 20.8
100 1.8 6.5 9.7#



#49
Dibromochloromethane
Concen: 0.050 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VU028285.D
Acq: 20 Nov 2018 18:10

Tgt Ion: 129 Resp: 355
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.5#





#59

1,2,3-Trichloropropane

Concen: 1.136 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028285.D

Acq: 20 Nov 2018 18:10

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7642

Ion Ratio Lower Upper

75 100

77 34.3 25.7 38.5

