

Data File : VU035870.D
Acq On : 26 Nov 2019 20:32
Operator : JC/SP
Sample : K6057-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AA2

Quant Time: Nov 27 03:21:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 27 03:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	212066	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	241762	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	68345	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	146823	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.93	69	132879	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.80%
11) 1,1-Dichloroethene-d2	2.60	63	178173	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.69	46	306934	47.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.76%
24) Chloroform-d	5.11	84	231450	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.75	65	130390	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.77	84	454741	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.74	67	158928	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.93	98	356569	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	8.22	79	49527	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.69	63	240084	49.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.78%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	126312	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	82115	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

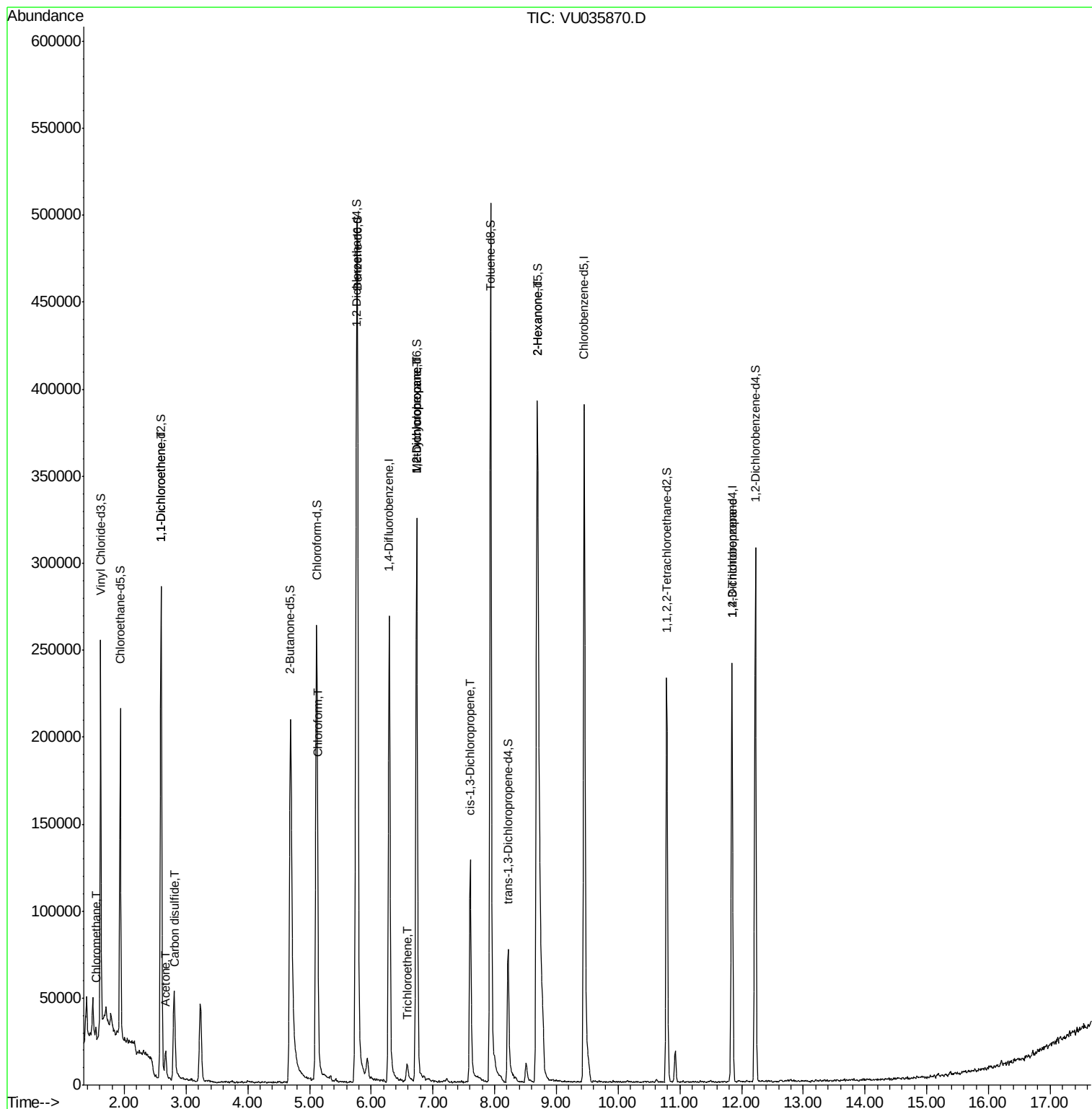
					Qvalue
3) Chloromethane	1.54	50	6180	0.175 ug/L	97
12) 1,1-Dichloroethene	2.59	96	1486	0.067 ug/L #	1
13) Acetone	2.67	43	16738	2.973 ug/L	95
14) Carbon disulfide	2.83	76	6660	0.091 ug/L	98
25) Chloroform	5.14	83	10071	0.212 ug/L	100
34) Trichloroethene	6.59	95	3016	0.122 ug/L	96
35) Methylcyclohexane	6.74	83	33450	0.921 ug/L #	14
37) 1,2-Dichloropropane	6.73	63	16219	0.567 ug/L #	91
39) cis-1,3-Dichloropropene	7.60	75	3189	0.086 ug/L #	42
48) 2-Hexanone	8.69	43	39668	3.066 ug/L #	60
59) 1,2,3-Trichloropropane	11.84	75	8973	0.482 ug/L #	82

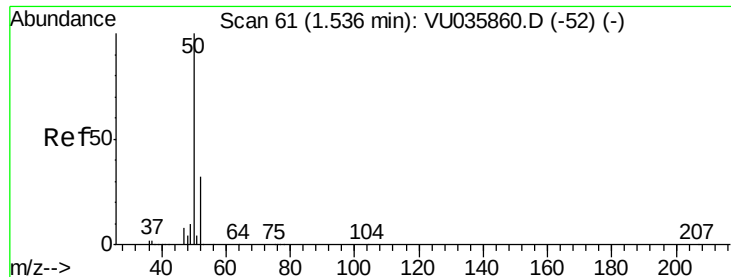
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.175 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU035870.D

Acq: 26 Nov 2019 20:32

Instrument :

MSVOA_U

ClientSampleId :

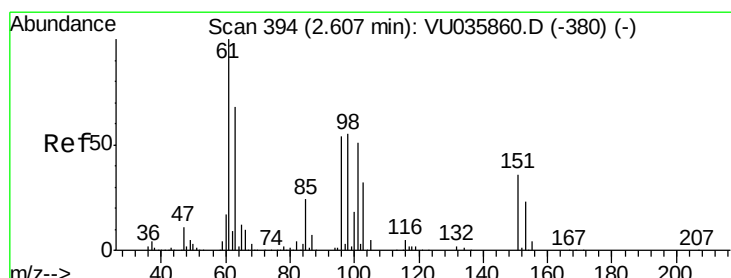
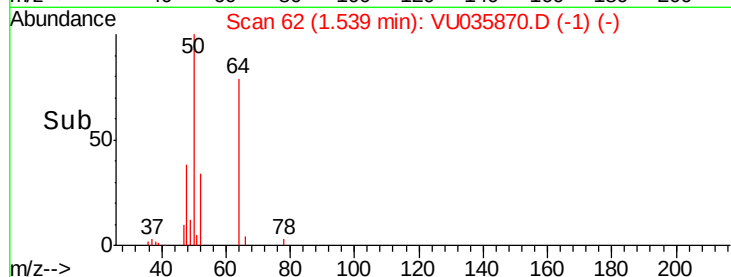
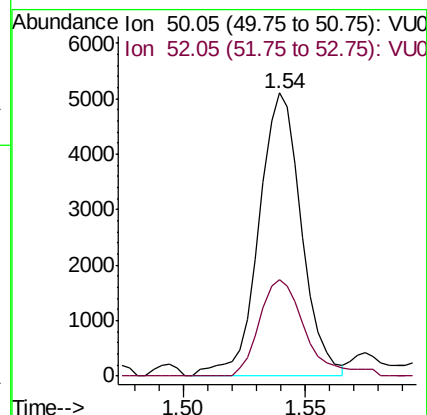
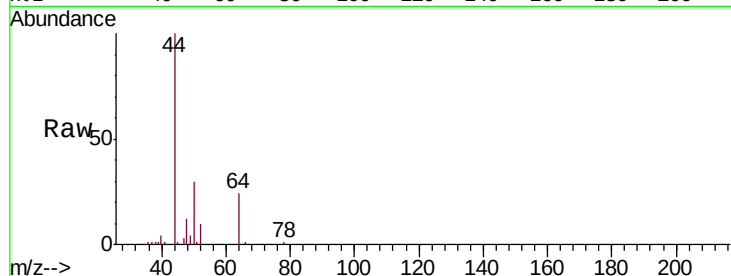
C0AA2

Tgt Ion: 50 Resp: 6180

Ion Ratio Lower Upper

50 100

52 34.1 22.7 42.3



#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU035870.D

Acq: 26 Nov 2019 20:32

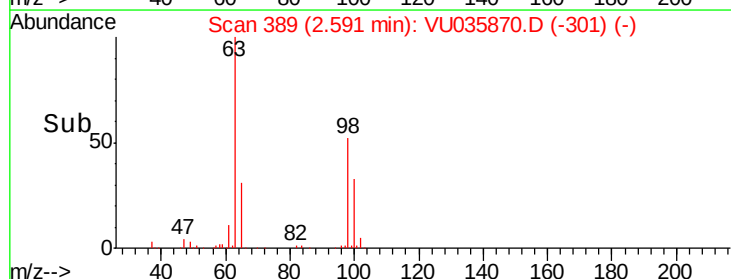
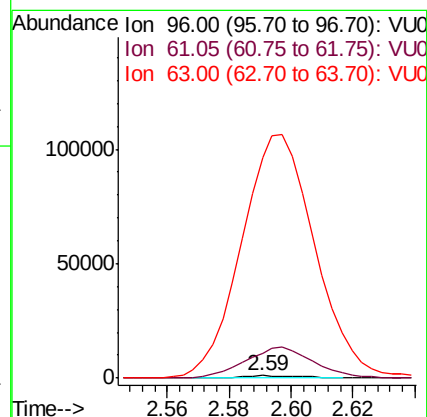
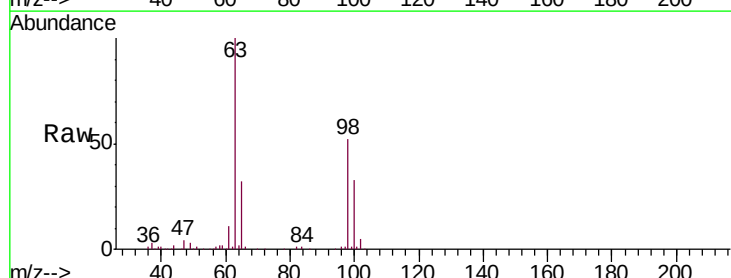
Tgt Ion: 96 Resp: 1486

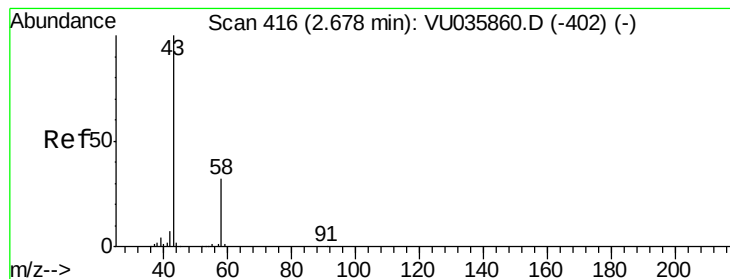
Ion Ratio Lower Upper

96 100

61 1042.6 139.3 258.7#

63 9154.5 93.7 174.1#





#13

Acetone

Concen: 2.973 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035870.D

Acq: 26 Nov 2019 20:32

Instrument :

MSVOA_U

ClientSampleId :

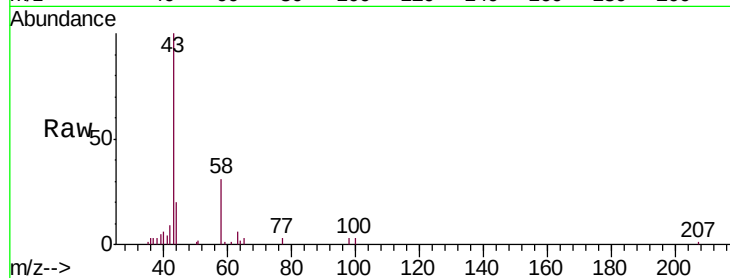
C0AA2

Tgt Ion: 43 Resp: 16738

Ion Ratio Lower Upper

43 100

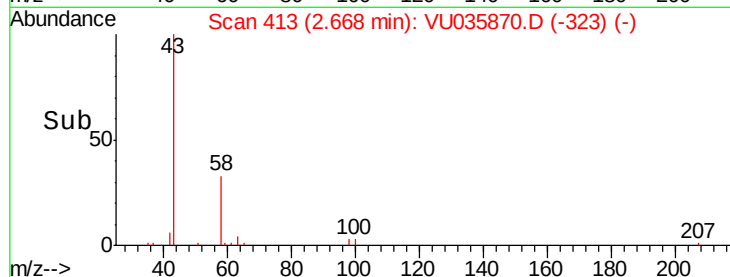
58 33.1 0.0 61.2



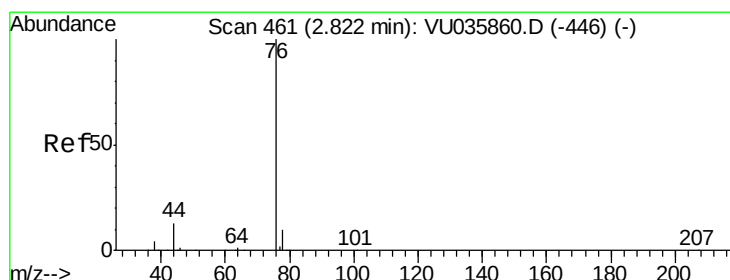
Abundance Ion 43.05 (42.75 to 43.75): VU035860.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035860.D (-402) (-)

Time-->



Time-->



#14

Carbon disulfide

Concen: 0.091 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035870.D

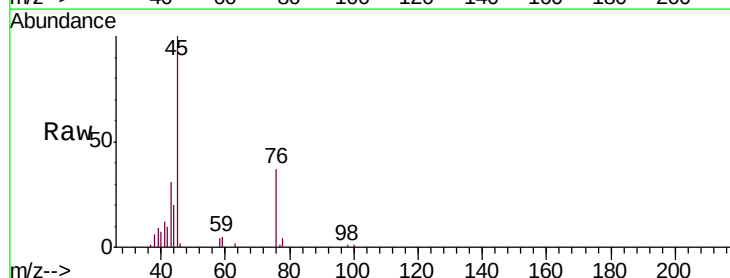
Acq: 26 Nov 2019 20:32

Tgt Ion: 76 Resp: 6660

Ion Ratio Lower Upper

76 100

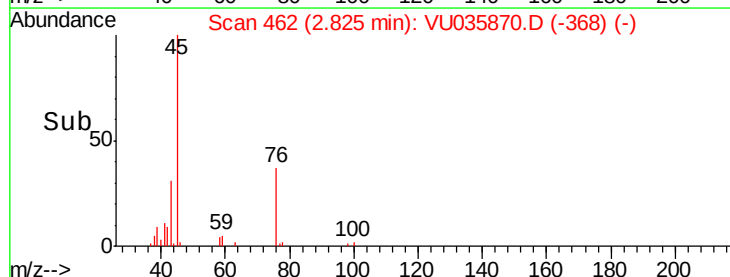
78 9.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035860.D (-446) (-)

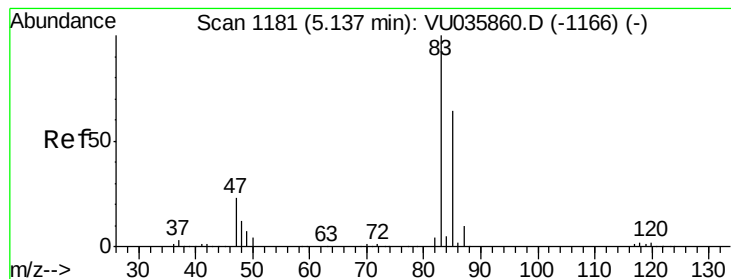
Ion 78.00 (77.70 to 78.70): VU035860.D (-446) (-)

Time-->



Time-->

Time-->



#25

Chloroform

Concen: 0.212 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035870.D

Acq: 26 Nov 2019 20:32

Instrument :

MSVOA_U

ClientSampled :

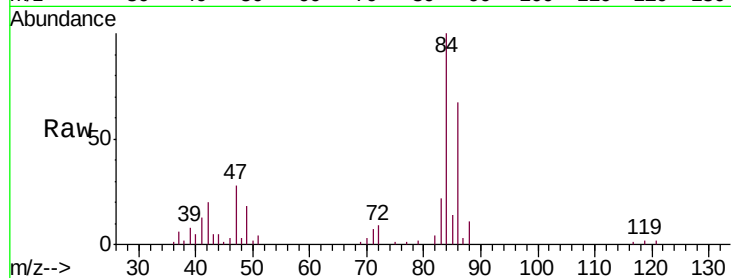
C0AA2

Tgt Ion: 83 Resp: 10071

Ion Ratio Lower Upper

83 100

85 63.8 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU035860.D (-1166) (-)

Ion 85.00 (84.70 to 85.70): VU035870.D (-1088) (-)

5.14

5.15

5.20

5.25

5.30

5.35

5.40

5.45

5.50

5.55

5.60

5.65

5.70

5.75

5.80

5.85

5.90

5.95

6.00

6.05

6.10

6.15

6.20

6.25

6.30

6.35

6.40

6.45

6.50

6.55

6.60

6.65

6.70

6.75

6.80

6.85

6.90

6.95

7.00

7.05

7.10

7.15

7.20

7.25

7.30

7.35

7.40

7.45

7.50

7.55

7.60

7.65

7.70

7.75

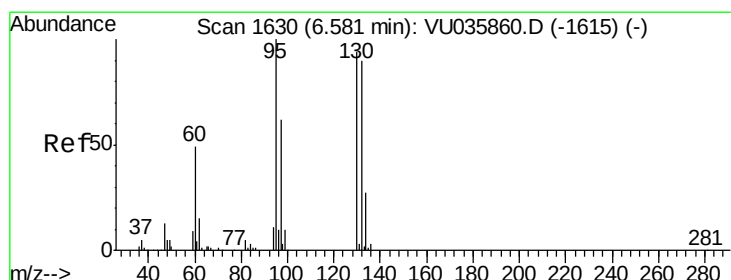
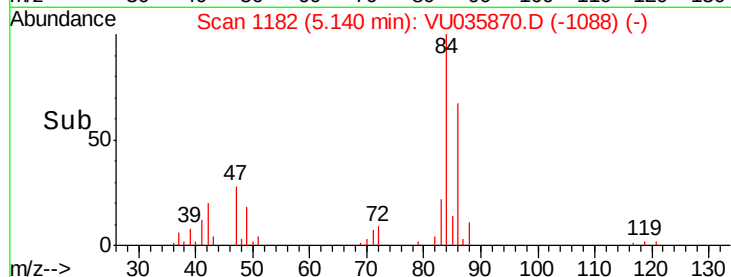
7.80

7.85

7.90

7.95

8.00



#34

Trichloroethene

Concen: 0.122 ug/L

RT: 6.59 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VU035870.D

Acq: 26 Nov 2019 20:32

Tgt Ion: 95 Resp: 3016

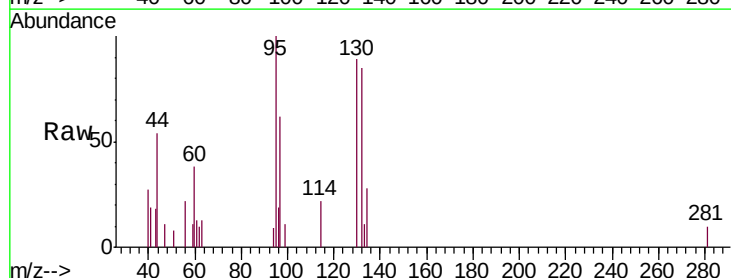
Ion Ratio Lower Upper

95 100

97 61.7 45.1 83.9

132 85.1 61.9 114.9

130 89.2 66.3 123.1



Abundance Ion 95.00 (94.70 to 95.70): VU035860.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035870.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035860.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035870.D (-1537) (-)

6.59

6.60

6.65

6.70

6.75

6.80

6.85

6.90

6.95

7.00

7.05

7.10

7.15

7.20

7.25

7.30

7.35

7.40

7.45

7.50

7.55

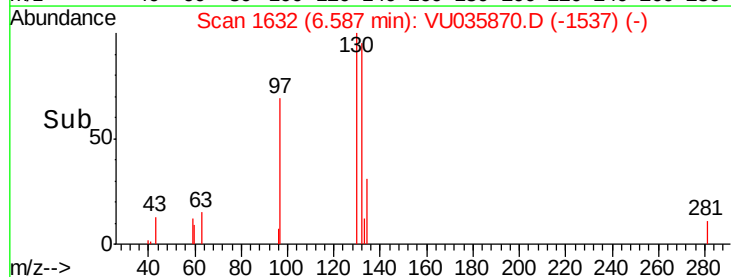
7.60

7.65

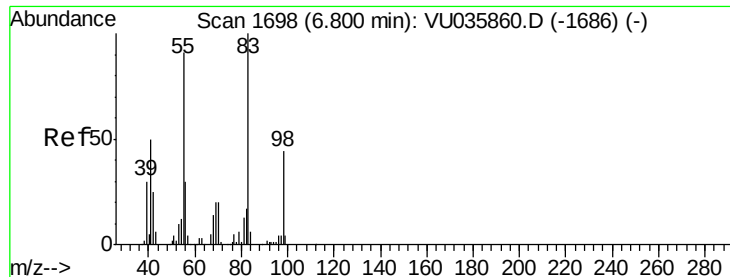
7.70

7.75

7.80



Time-->



#35

Methylcyclohexane

Concen: 0.921 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035870.D

Acq: 26 Nov 2019 20:32

Instrument :

MSVOA_U

ClientSampleId :

C0AA2

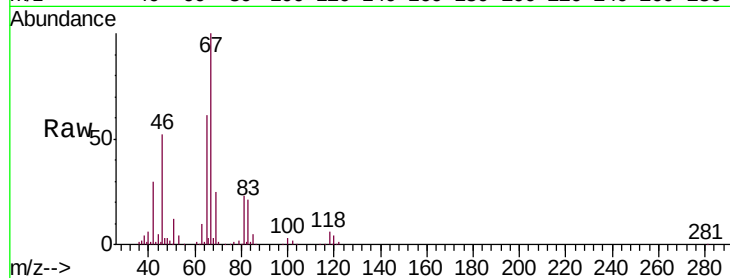
Tgt Ion: 83 Resp: 33450

Ion Ratio Lower Upper

83 100

55 0.7 72.7 109.1#

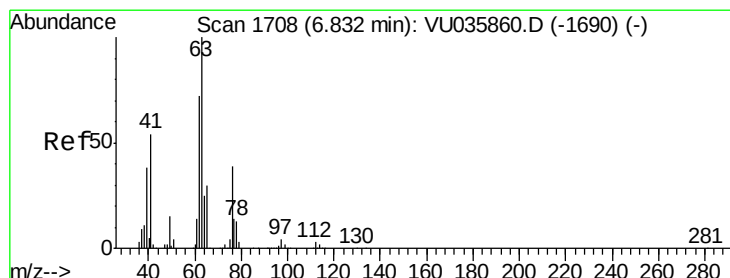
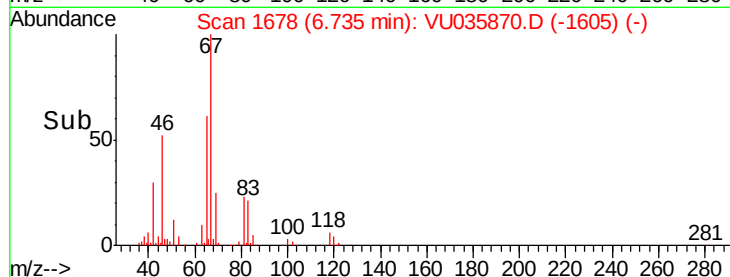
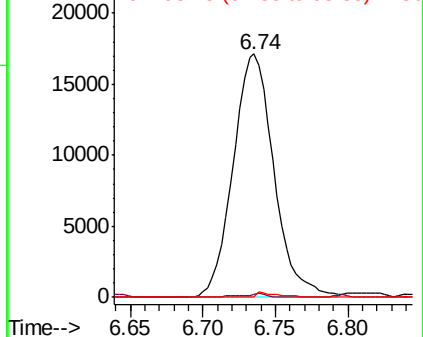
98 1.0 36.2 54.4#



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: 0.567 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035870.D

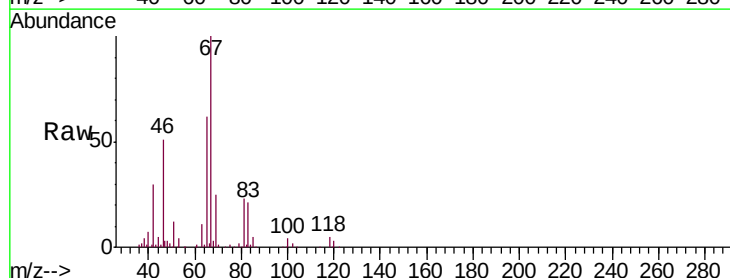
Acq: 26 Nov 2019 20:32

Tgt Ion: 63 Resp: 16219

Ion Ratio Lower Upper

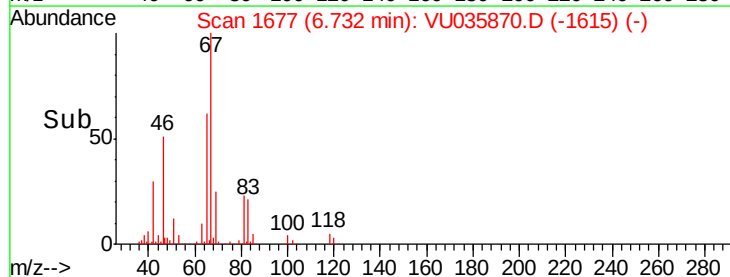
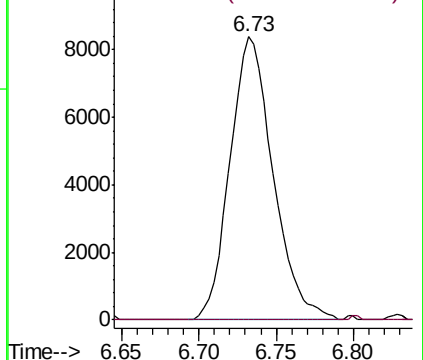
63 100

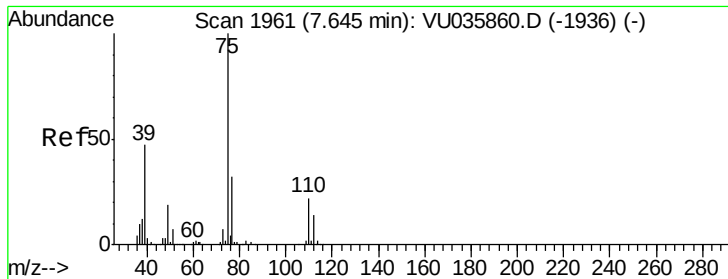
112 0.3 2.7 4.1#



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: 0.086 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.05 min

Lab File: VU035870.D

Acq: 26 Nov 2019 20:32

Instrument :

MSVOA_U

ClientSampleId :

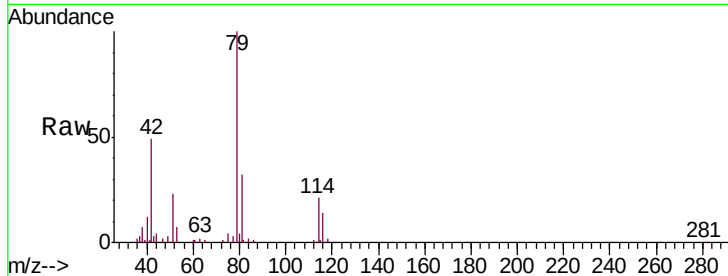
C0AA2

Tgt Ion: 75 Resp: 3189

Ion Ratio Lower Upper

75 100

77 63.6 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.60

1500

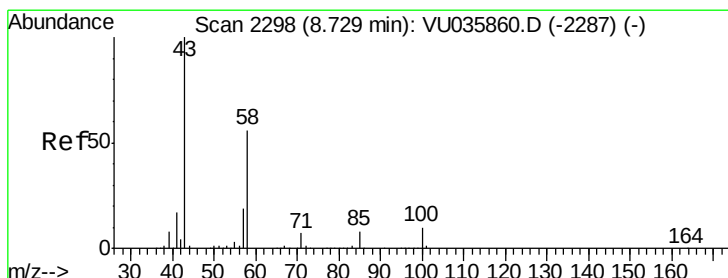
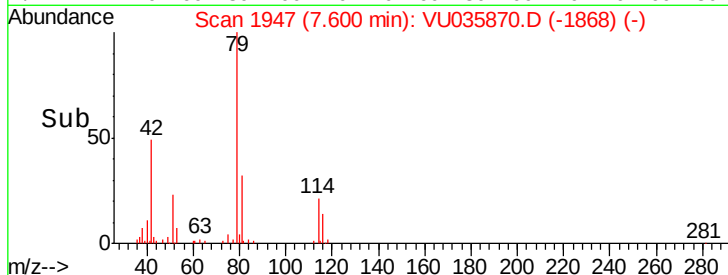
1000

500

0

7.55 7.60 7.65

Time-->



#48

2-Hexanone

Concen: 3.066 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. -0.04 min

Lab File: VU035870.D

Acq: 26 Nov 2019 20:32

Tgt Ion: 43 Resp: 39668

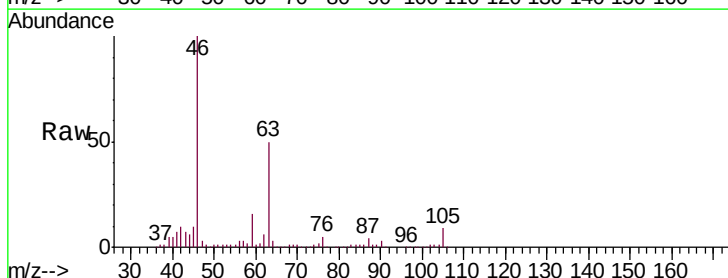
Ion Ratio Lower Upper

43 100

58 19.8 39.8 59.8#

57 33.4 14.0 21.0#

100 0.4 7.2 10.8#



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

15000

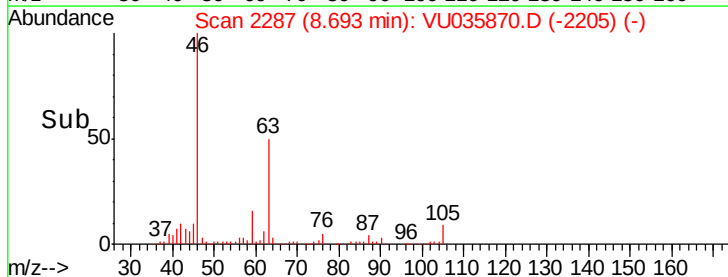
10000

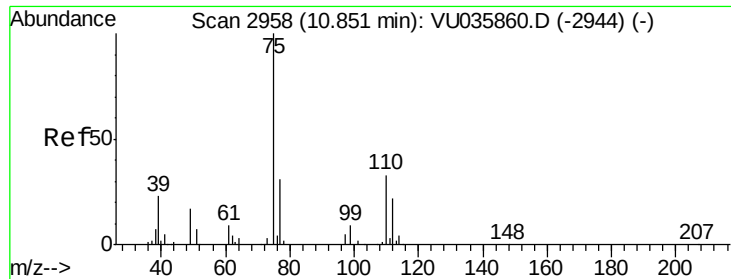
5000

0

8.60 8.70 8.80

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.482 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035870.D

Acq: 26 Nov 2019 20:32

Instrument :

MSVOA_U

ClientSampleId :

C0AA2

Tgt Ion: 75 Resp: 8973

Ion Ratio Lower Upper

75 100

77 41.7 25.4 38.2#

