

Data File : VU035867.D
Acq On : 26 Nov 2019 19:19
Operator : JC/SP
Sample : K6057-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AB3

Quant Time: Nov 27 03:20:27 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	216142	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	245425	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	75512	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	144146	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.93	69	133367	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.20%
11) 1,1-Dichloroethene-d2	2.60	63	178321	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.69	46	280260	42.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.78%
24) Chloroform-d	5.11	84	225581	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.75	65	131644	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.77	84	456889	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.74	67	152990	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.93	98	379374	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.21	79	52217	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.69	63	247926	50.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.48%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	123832	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	88351	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.60	96	1427	0.063 ug/L #	1
13) Acetone	2.67	43	114325	19.921 ug/L	99
15) Methyl Acetate	2.81	43	16672	1.449 ug/L #	53
21) 2-Butanone	4.77	43	17326	2.386 ug/L	88
25) Chloroform	5.14	83	8798	0.182 ug/L	90
30) Cyclohexane	5.44	56	17315	0.447 ug/L	94
34) Trichloroethene	6.58	95	3993	0.159 ug/L	88
35) Methylcyclohexane	6.74	83	33377	0.905 ug/L #	14
37) 1,2-Dichloropropane	6.73	63	17502	0.602 ug/L #	92
38) Bromodichloromethane	7.17	83	11275	0.324 ug/L #	1
39) cis-1,3-Dichloropropene	7.60	75	4098	0.109 ug/L #	51
48) 2-Hexanone	8.69	43	26343	2.006 ug/L #	63
59) 1,2,3-Trichloropropane	11.84	75	10789	0.571 ug/L	89

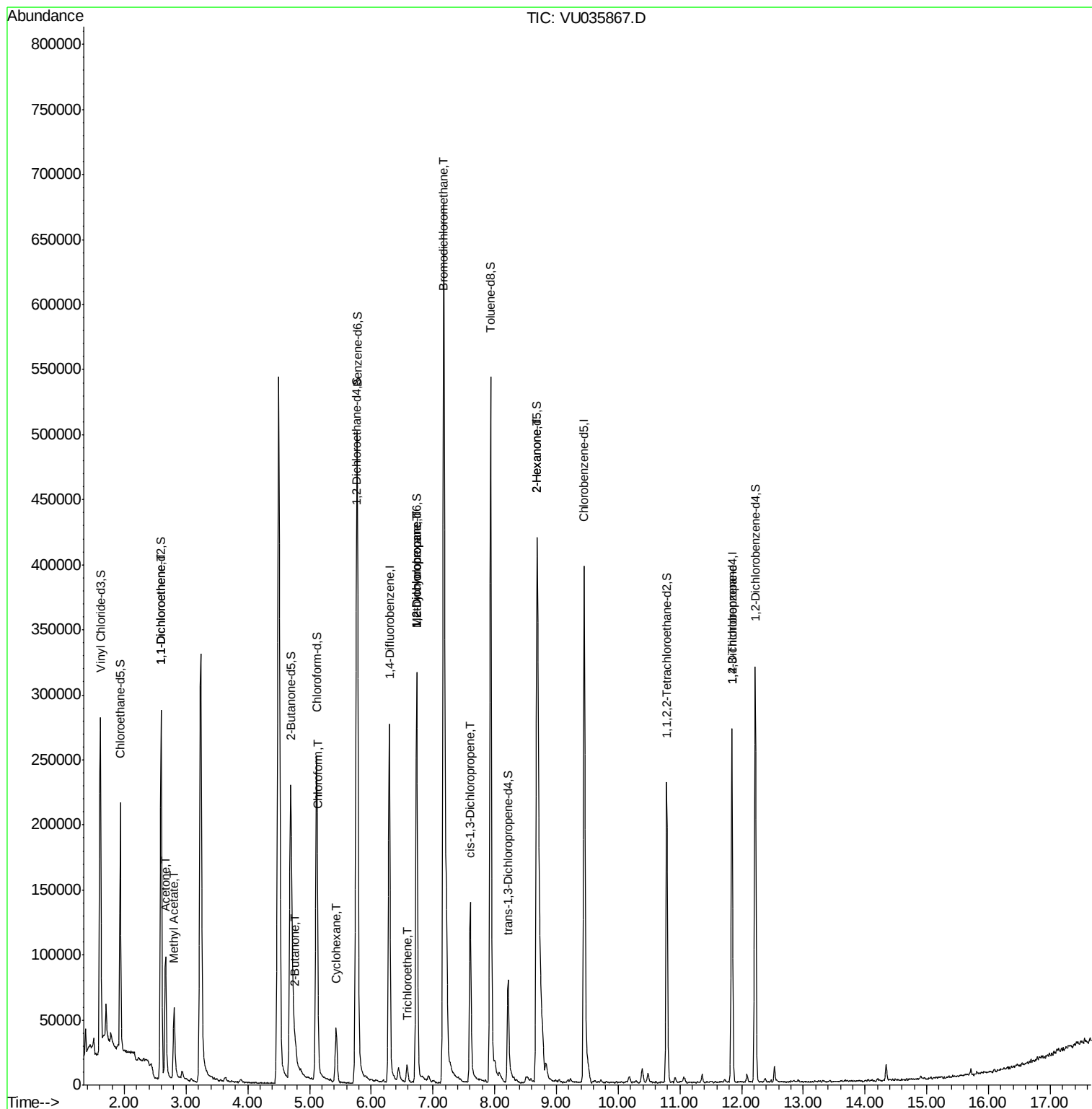
(#) = qualifier out of range (m) = manual integration (+) = signals summed

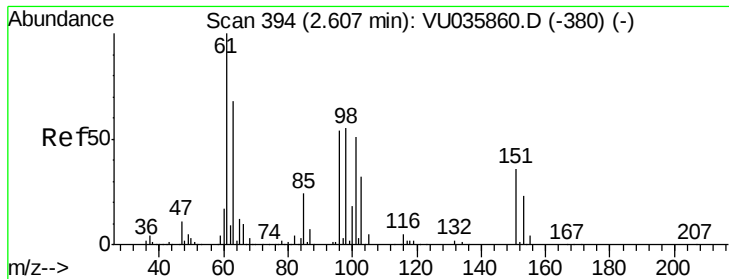
Data File : VU035867.D

```
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.063 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035867.D

Acq: 26 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

C0AB3

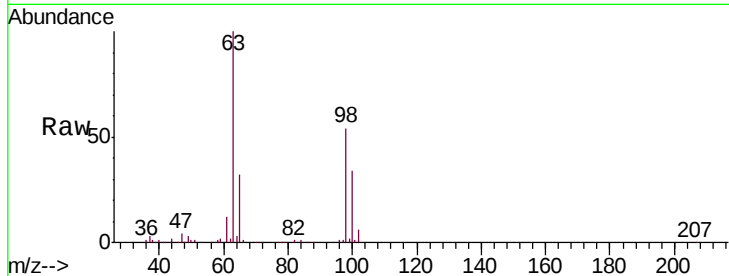
Tgt Ion: 96 Resp: 1427

Ion Ratio Lower Upper

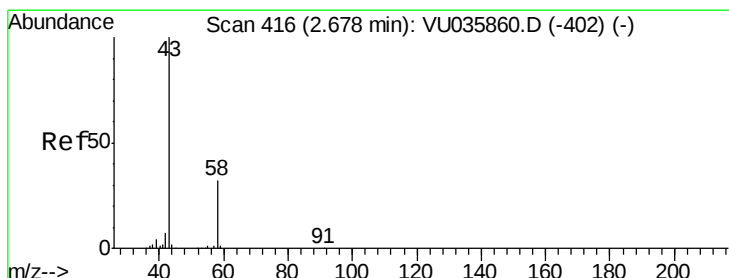
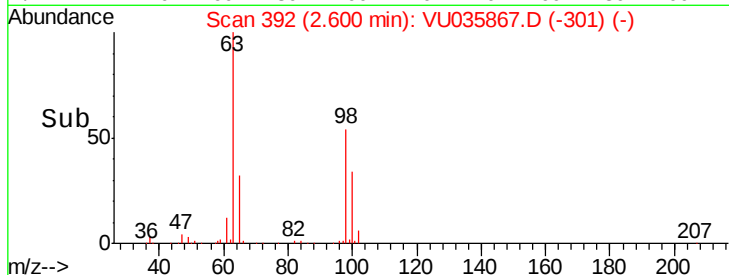
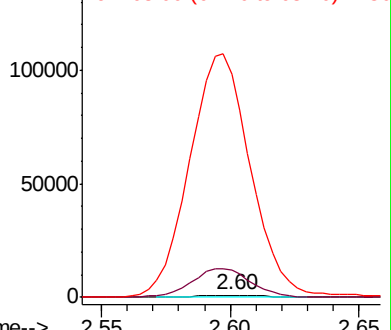
96 100

61 1443.3 139.3 258.7#

63 11950.5 93.7 174.1#



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: 19.921 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035867.D

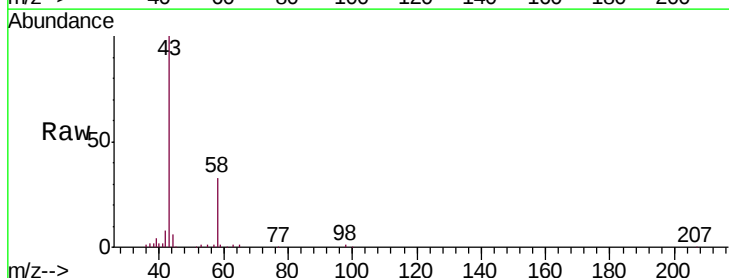
Acq: 26 Nov 2019 19:19

Tgt Ion: 43 Resp: 114325

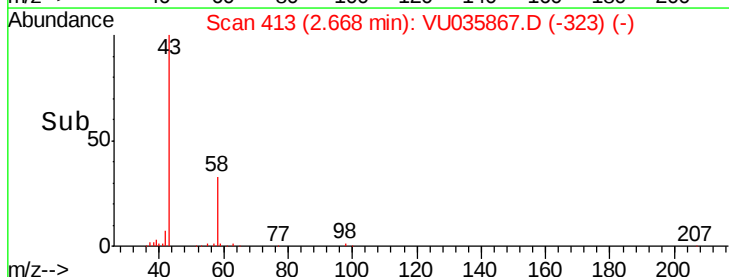
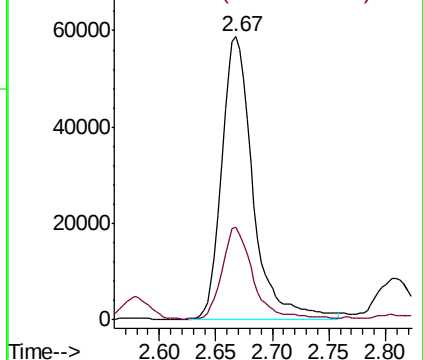
Ion Ratio Lower Upper

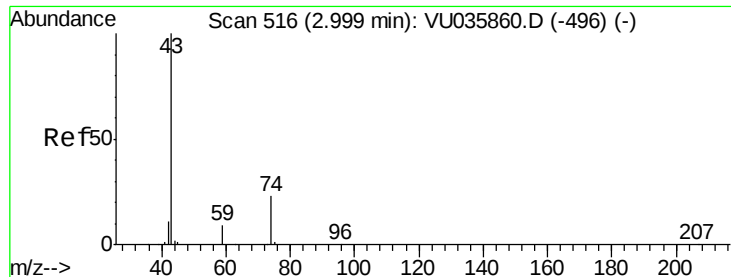
43 100

58 31.0 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0

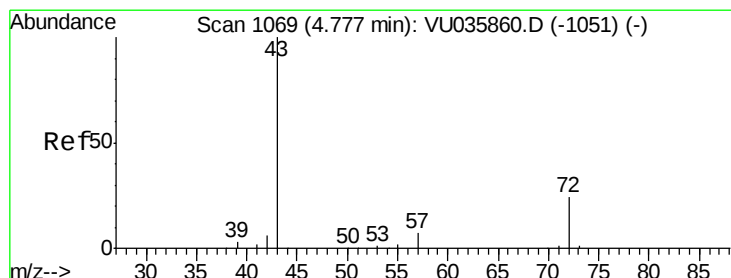
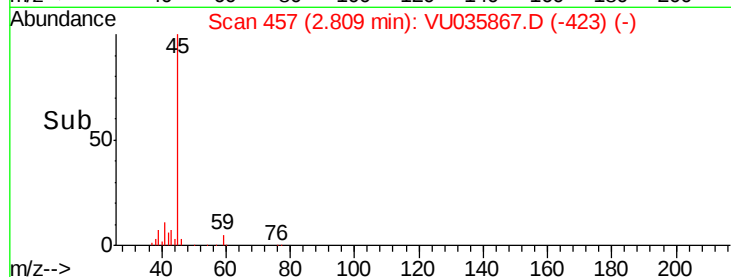
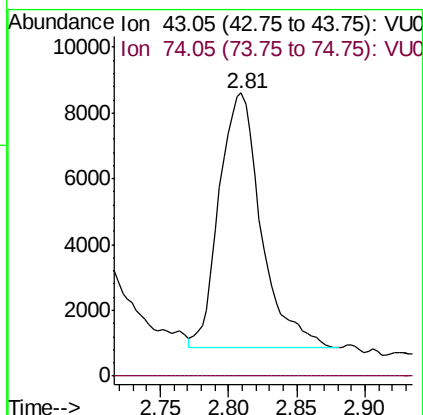
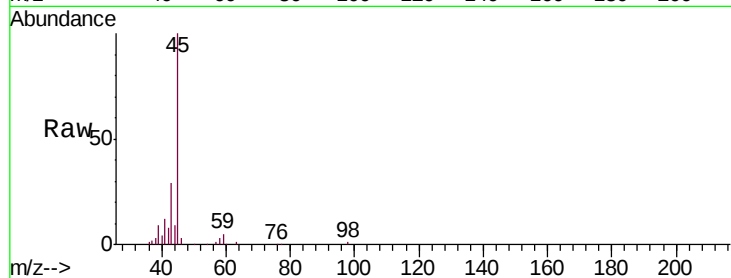




#15
Methyl Acetate
Concen: 1.449 ug/L
RT: 2.81 min Scan# 457
Delta R.T. -0.19 min
Lab File: VU035867.D
Acq: 26 Nov 2019 19:19

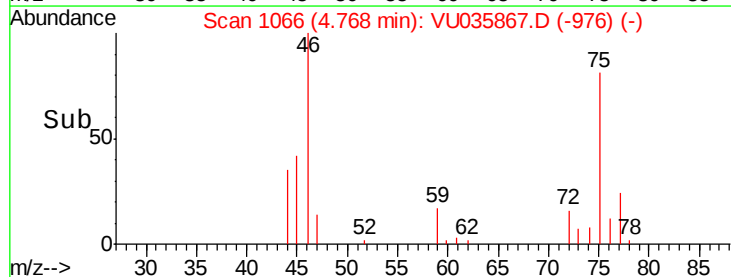
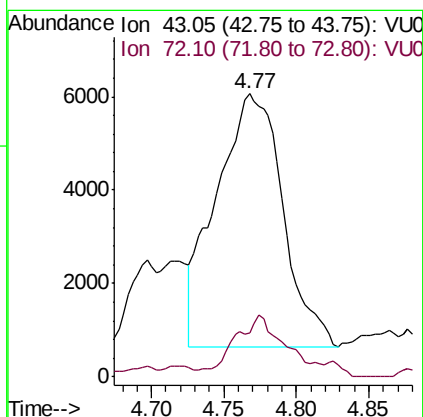
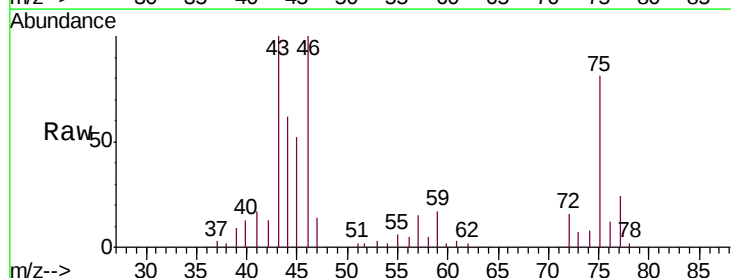
Instrument :
MSVOA_U
ClientSampleId :
C0AB3

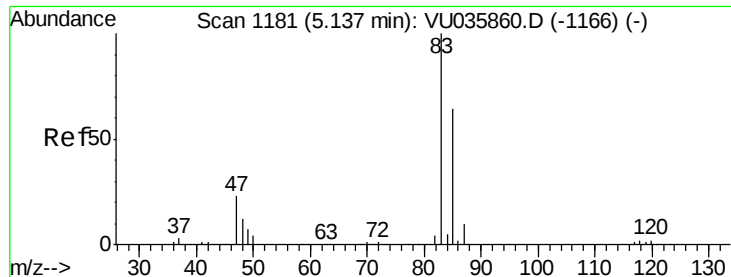
Tgt Ion: 43 Resp: 16672
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.4#



#21
2-Butanone
Concen: 2.386 ug/L
RT: 4.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VU035867.D
Acq: 26 Nov 2019 19:19

Tgt Ion: 43 Resp: 17326
Ion Ratio Lower Upper
43 100
72 19.0 12.4 37.4

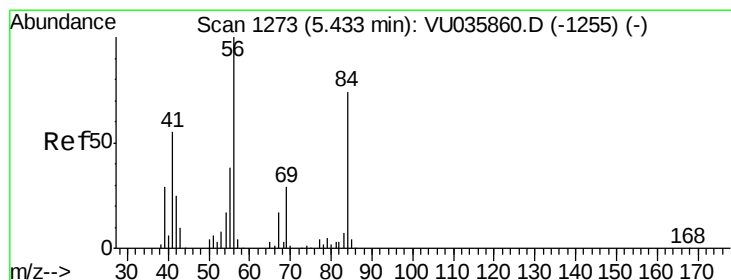
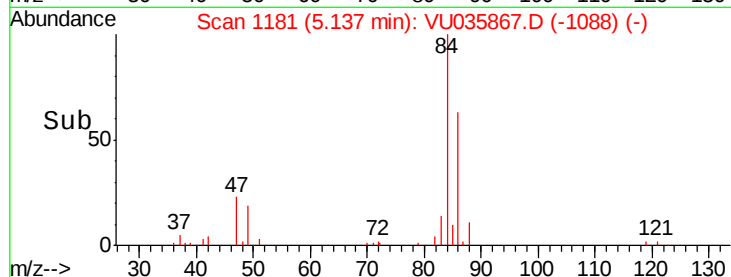
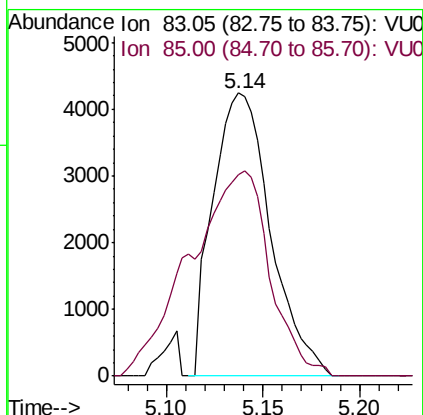
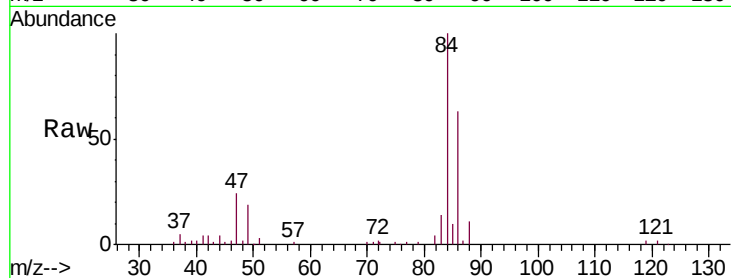




#25
Chloroform
Concen: 0.182 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035867.D
Acq: 26 Nov 2019 19:19

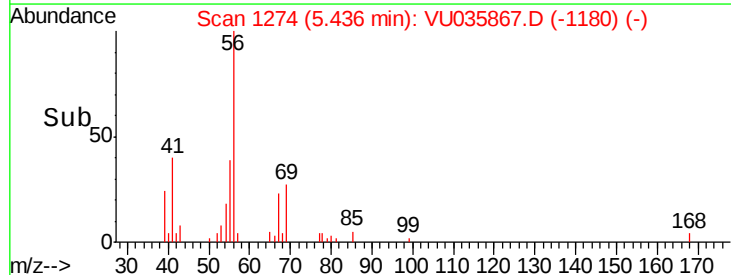
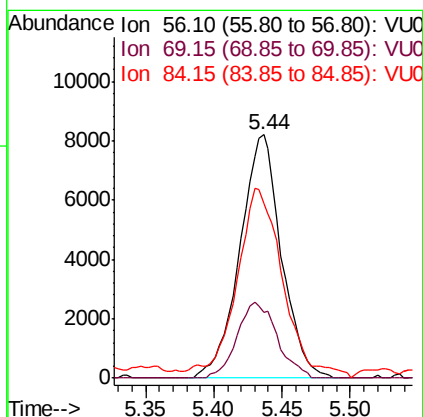
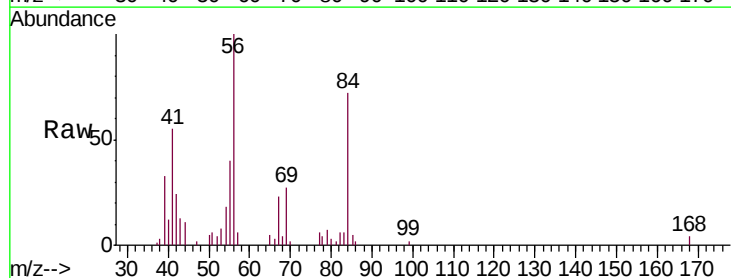
Instrument :
MSVOA_U
ClientSampleId :
C0AB3

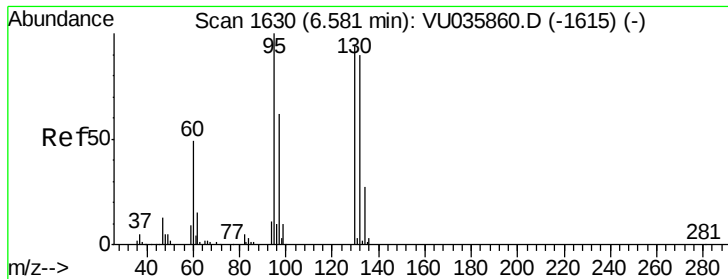
Tgt Ion: 83 Resp: 8798
Ion Ratio Lower Upper
83 100
85 71.2 44.6 82.8



#30
Cyclohexane
Concen: 0.447 ug/L
RT: 5.44 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VU035867.D
Acq: 26 Nov 2019 19:19

Tgt Ion: 56 Resp: 17315
Ion Ratio Lower Upper
56 100
69 30.1 24.0 36.0
84 84.9 62.1 93.1





#34

Trichloroethene

Concen: 0.159 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035867.D

Acq: 26 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

C0AB3

Tgt Ion: 95 Resp: 3993

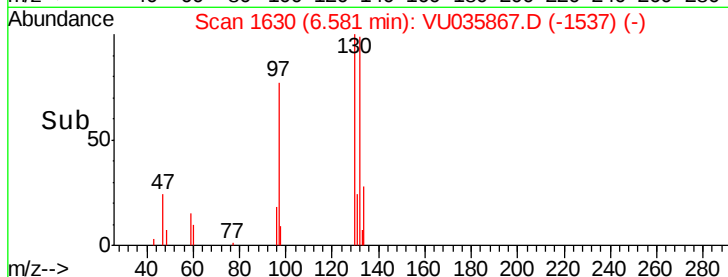
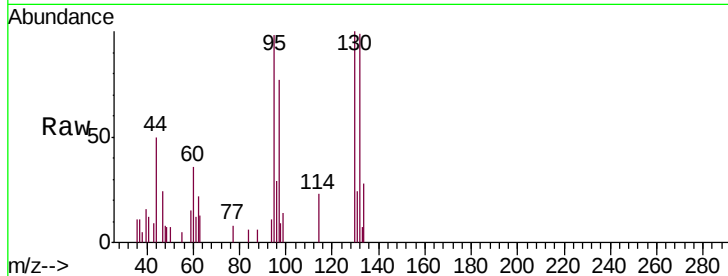
Ion Ratio Lower Upper

95 100

97 78.2 45.1 83.9

132 100.8 61.9 114.9

130 102.1 66.3 123.1

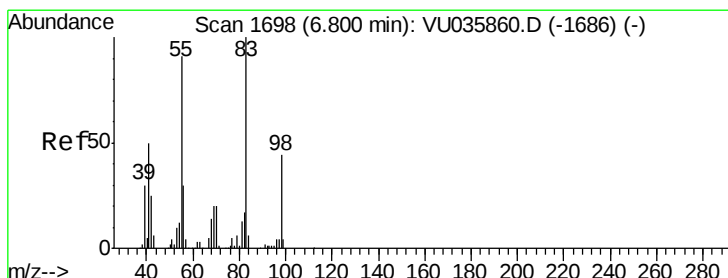
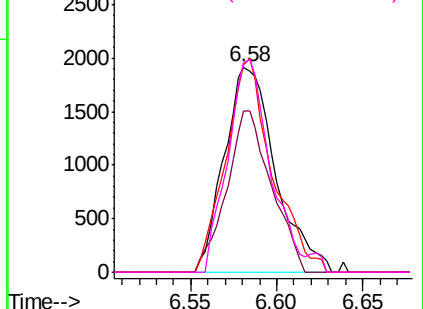


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.905 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035867.D

Acq: 26 Nov 2019 19:19

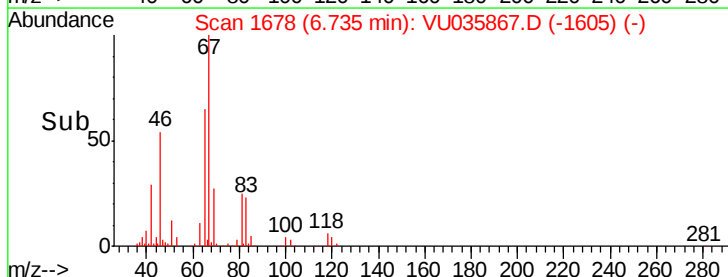
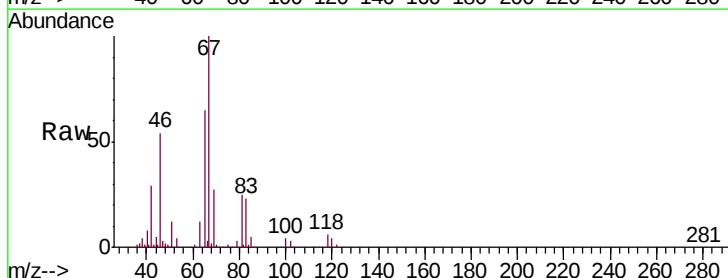
Tgt Ion: 83 Resp: 33377

Ion Ratio Lower Upper

83 100

55 0.3 72.7 109.1#

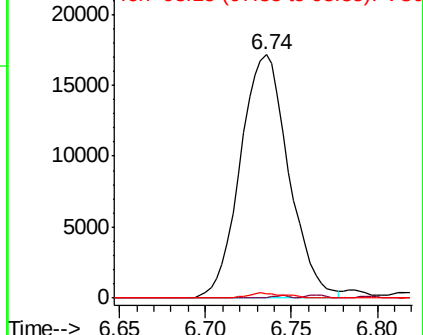
98 1.6 36.2 54.4#

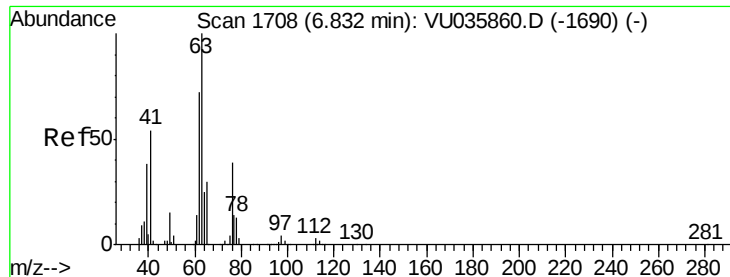


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.602 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035867.D

Acq: 26 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

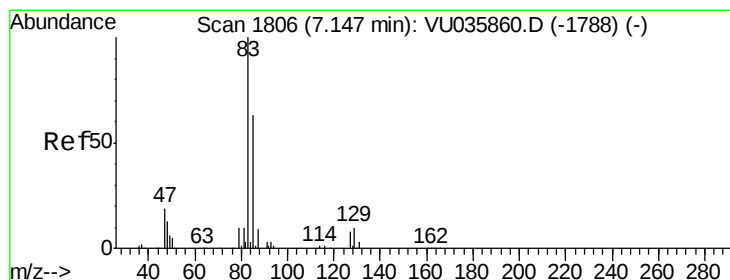
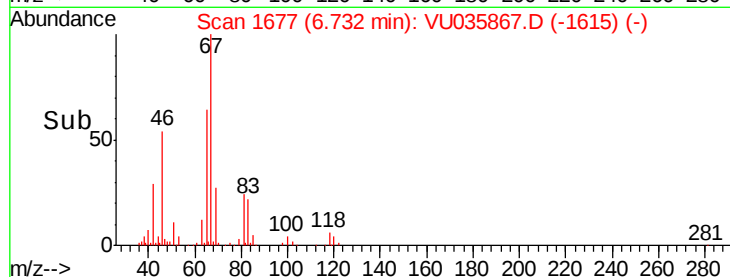
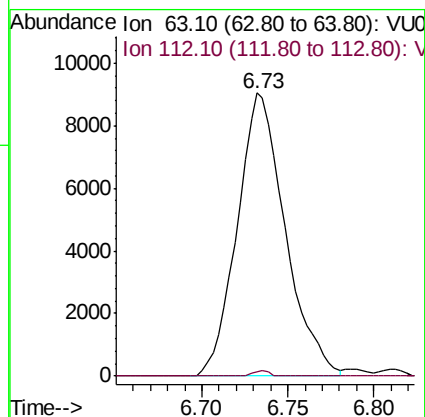
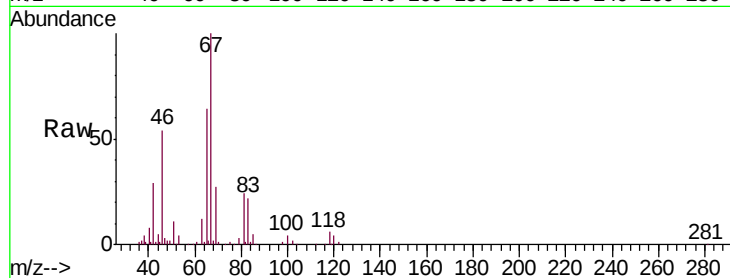
C0AB3

Tgt Ion: 63 Resp: 17502

Ion Ratio Lower Upper

63 100

112 0.6 2.7 4.1#



#38

Bromodichloromethane

Concen: 0.324 ug/L

RT: 7.17 min Scan# 1814

Delta R.T. 0.03 min

Lab File: VU035867.D

Acq: 26 Nov 2019 19:19

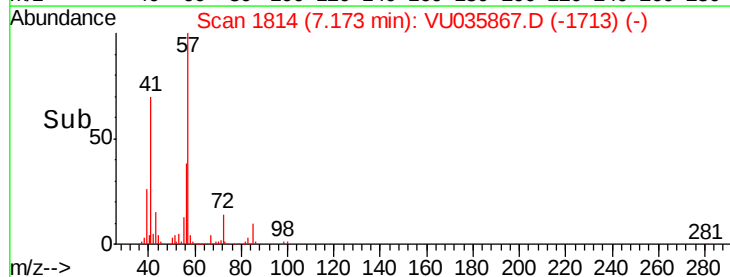
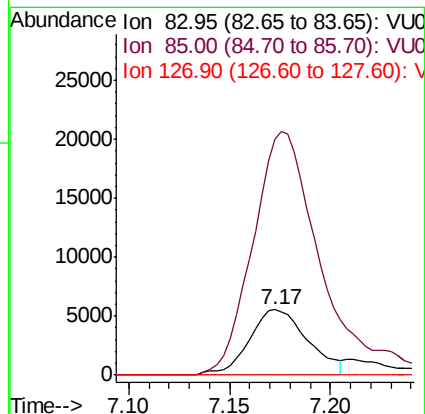
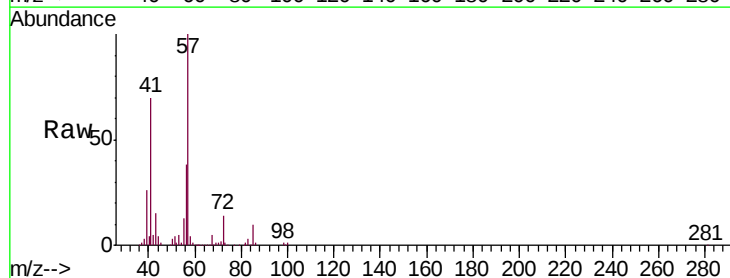
Tgt Ion: 83 Resp: 11275

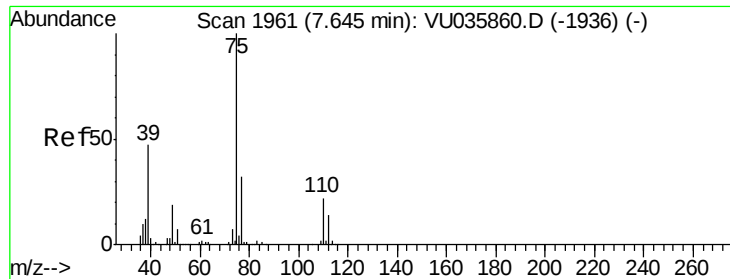
Ion Ratio Lower Upper

83 100

85 360.2 45.6 84.8#

127 0.0 6.0 9.0#





#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 7.60 min Scan# 1946

Delta R.T. -0.05 min

Lab File: VU035867.D

Acq: 26 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

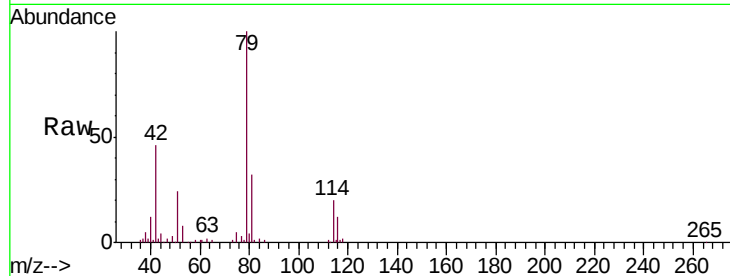
C0AB3

Tgt Ion: 75 Resp: 4098

Ion Ratio Lower Upper

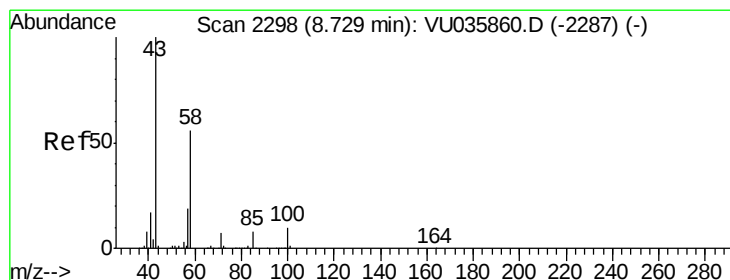
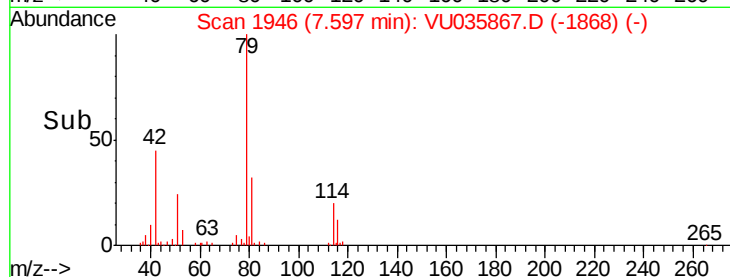
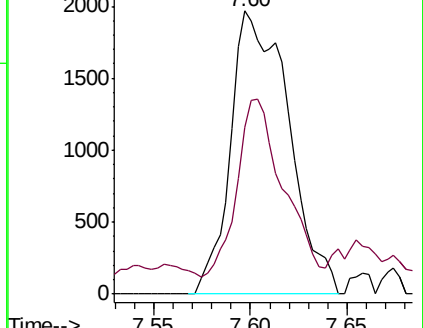
75 100

77 59.0 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035867.D (-1936) (-)

Ion 77.05 (76.75 to 77.75): VU035867.D (-1936) (-)



#48

2-Hexanone

Concen: 2.006 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. -0.04 min

Lab File: VU035867.D

Acq: 26 Nov 2019 19:19

Tgt Ion: 43 Resp: 26343

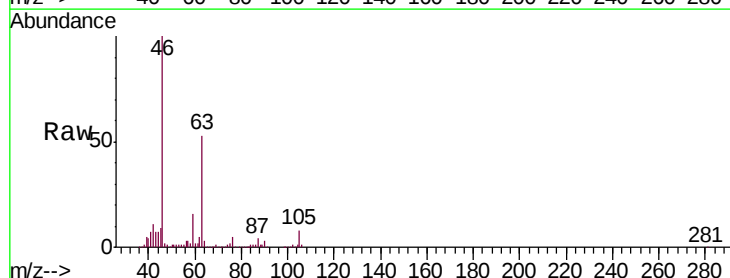
Ion Ratio Lower Upper

43 100

58 30.0 39.8 59.8#

57 48.1 14.0 21.0#

100 2.4 7.2 10.8#

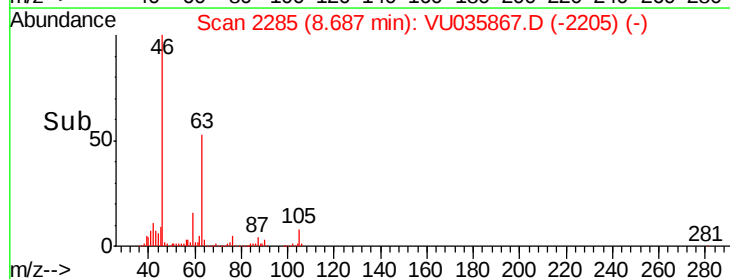
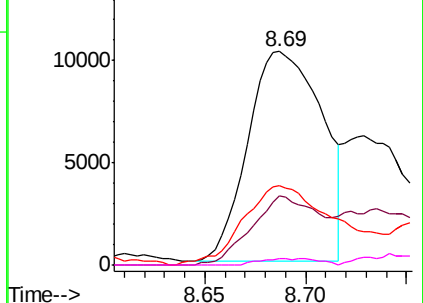


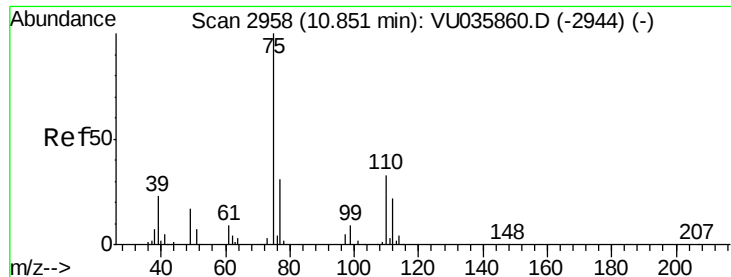
Abundance Ion 43.05 (42.75 to 43.75): VU035867.D (-2287) (-)

Ion 58.05 (57.75 to 58.75): VU035867.D (-2287) (-)

Ion 57.20 (56.90 to 57.90): VU035867.D (-2287) (-)

Ion 100.15 (99.85 to 100.85): VU035867.D (-2287) (-)





#59

1,2,3-Trichloropropane

Concen: 0.571 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035867.D

Acq: 26 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

C0AB3

Tgt Ion: 75 Resp: 10789

Ion Ratio Lower Upper

75 100

77 38.1 25.4 38.2

