

Data File : VU032055.D
Acq On : 16 May 2019 17:45
Operator : JC/SP
Sample : K2739-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB892

Quant Time: May 17 07:21:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 07:17:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	380234	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	391898	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	152611	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76148	2.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	47.60%
7) Chloroethane-d5	1.68	69	79016	2.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	57.80%#
11) 1,1-Dichloroethene-d2	2.27	63	115056	2.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.00%#
20) 2-Butanone-d5	4.19	46	285273	45.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.74%
24) Chloroform-d	4.64	84	201841	3.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.60%
26) 1,2-Dichloroethane-d4	5.31	65	107255	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.80%
32) Benzene-d6	5.33	84	386601	3.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.60%#
36) 1,2-Dichloropropane-d6	6.33	67	127001	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.60%
41) Toluene-d8	7.56	98	290618	2.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	55.20%#
43) trans-1,3-Dichloropropene-	7.85	79	37549	2.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	59.60%
46) 2-Hexanone-d5	8.31	63	232828	40.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	117781	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	122923	3.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.00%#

Target Compounds

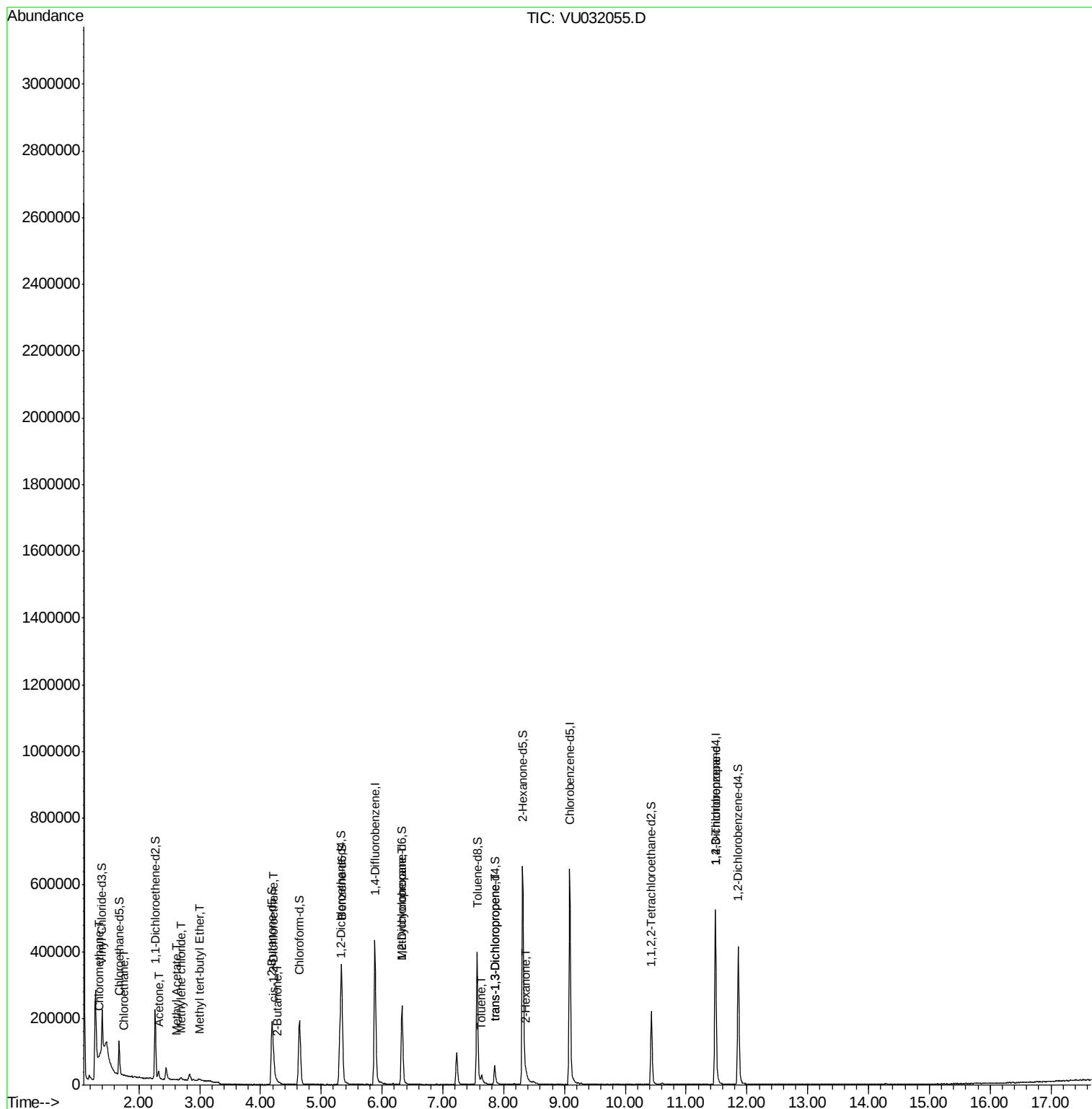
					Qvalue
3) Chloromethane	1.33	50	5929	0.325 ug/L	98
8) Chloroethane	1.77	64	2492	0.209 ug/L #	52
13) Acetone	2.32	43	19684	9.535 ug/L	98
15) Methyl Acetate	2.61	43	889	0.150 ug/L #	86
16) Methylene chloride	2.69	84	2291	0.126 ug/L	79
17) Methyl tert-butyl Ether	3.00	73	6088	0.170 ug/L #	78
21) 2-Butanone	4.29	43	2961	0.999 ug/L #	51
22) cis-1,2-Dichloroethene	4.22	96	10529	0.655 ug/L	87
35) Methylcyclohexane	6.32	83	30002	1.276 ug/L #	20
42) Toluene	7.64	91	19593	0.311 ug/L	89
44) trans-1,3-Dichloropropene	7.85	75	1654	0.105 ug/L #	1
48) 2-Hexanone	8.37	43	12457	2.355 ug/L #	57
59) 1,2,3-Trichloropropane	11.48	75	18111	1.938 ug/L	93

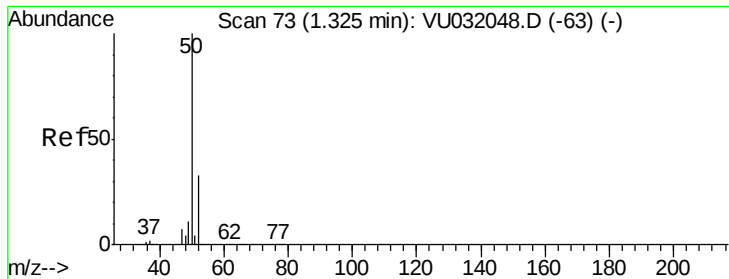
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.325 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032055.D

Acq: 16 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

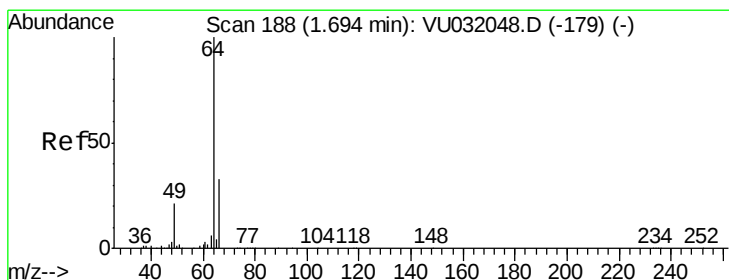
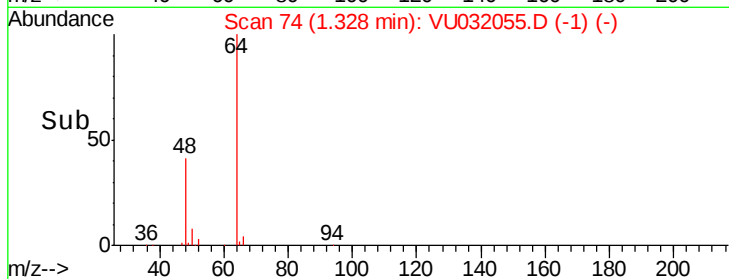
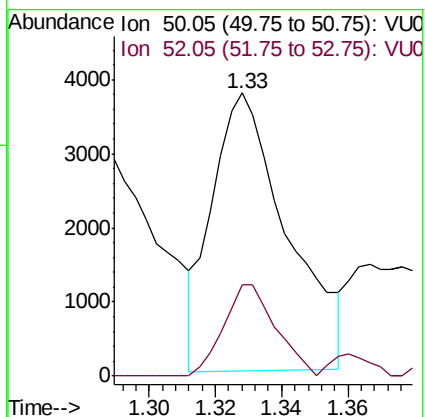
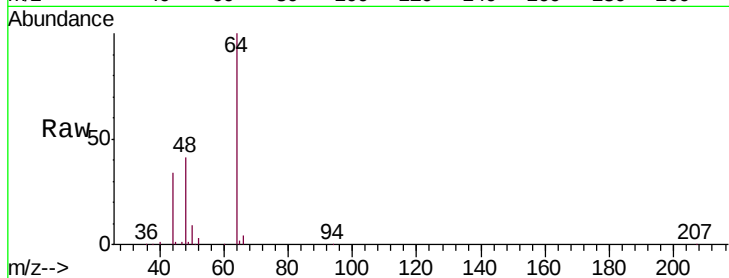
DB892

Tgt Ion: 50 Resp: 5929

Ion Ratio Lower Upper

50 100

52 32.1 23.2 43.0



#8

Chloroethane

Concen: 0.209 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.07 min

Lab File: VU032055.D

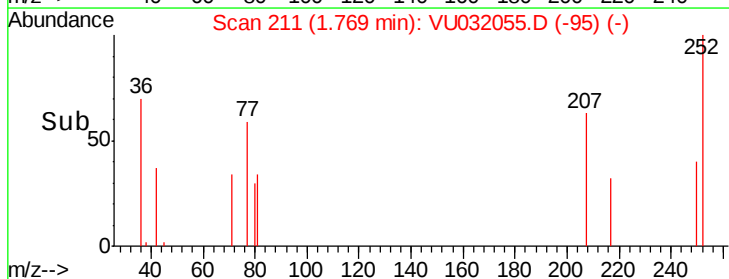
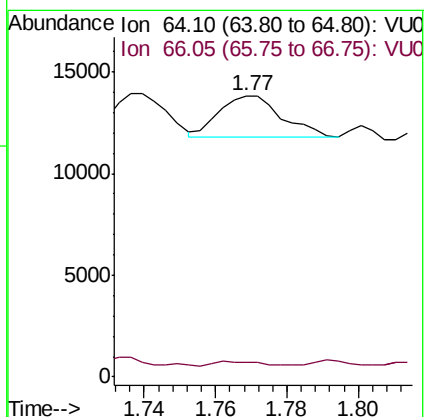
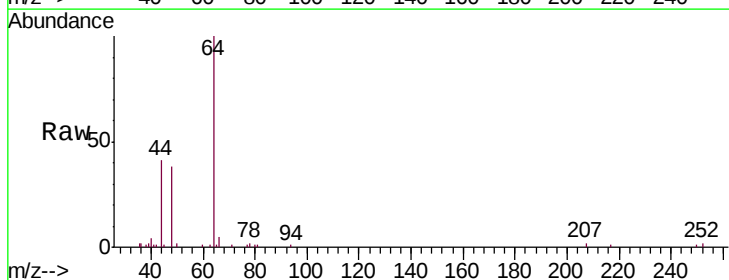
Acq: 16 May 2019 17:45

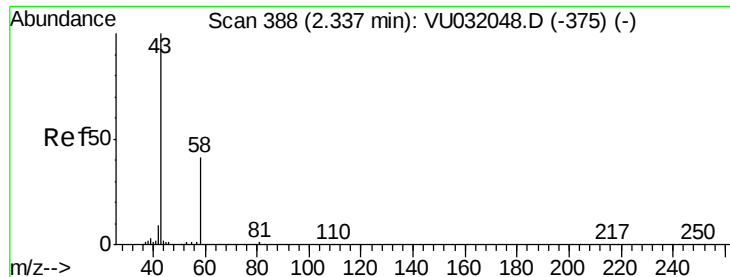
Tgt Ion: 64 Resp: 2492

Ion Ratio Lower Upper

64 100

66 5.1 22.0 41.0#





#13

Acetone

Concen: 9.535 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032055.D

Acq: 16 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

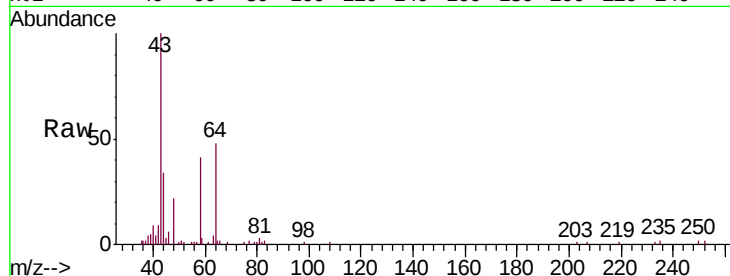
DB892

Tgt Ion: 43 Resp: 19684

Ion Ratio Lower Upper

43 100

58 40.6 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032048.D (-375) (-)

Ion 58.05 (57.75 to 58.75): VU032048.D (-375) (-)

2.32

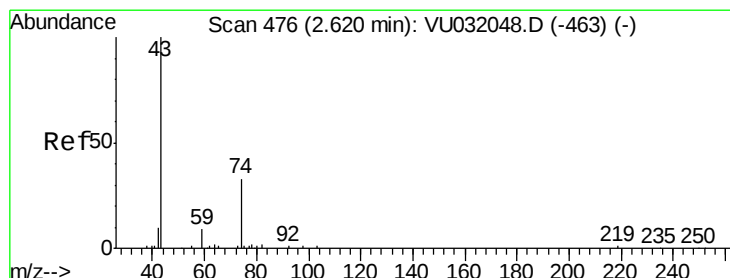
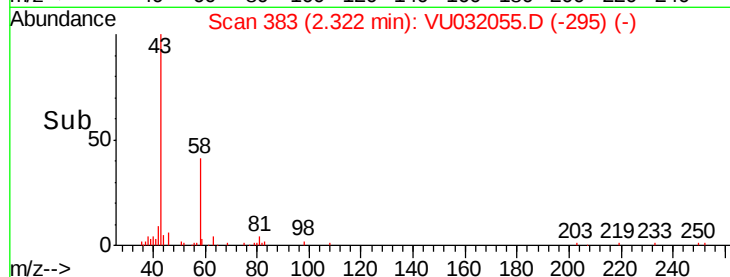
15000

10000

5000

0

Time-->



#15

Methyl Acetate

Concen: 0.150 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.01 min

Lab File: VU032055.D

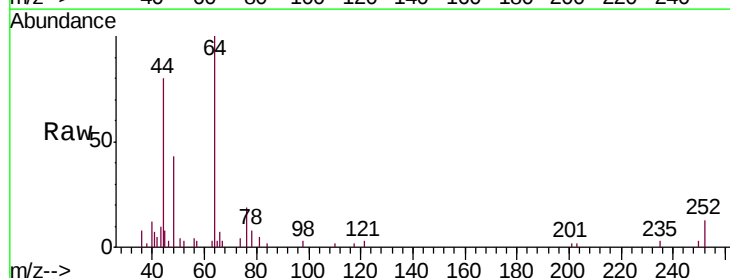
Acq: 16 May 2019 17:45

Tgt Ion: 43 Resp: 889

Ion Ratio Lower Upper

43 100

74 25.3 26.4 39.6#



Abundance Ion 43.05 (42.75 to 43.75): VU032048.D (-463) (-)

Ion 74.05 (73.75 to 74.75): VU032048.D (-463) (-)

2.61

500

400

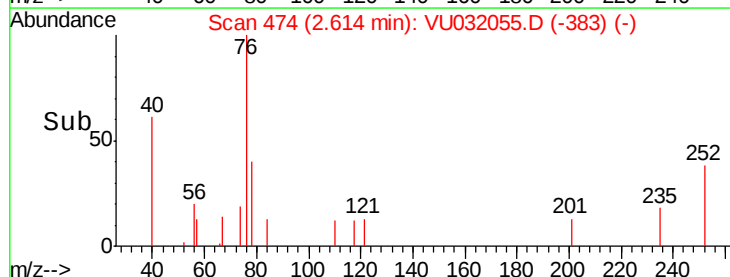
300

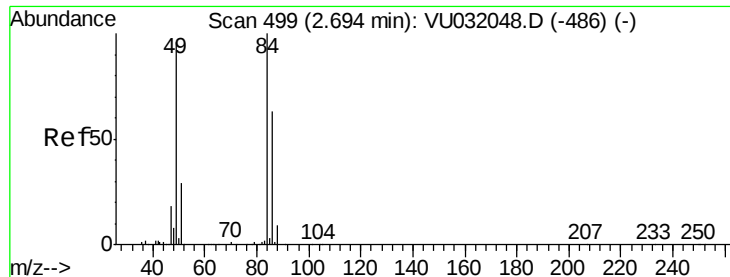
200

100

0

Time-->

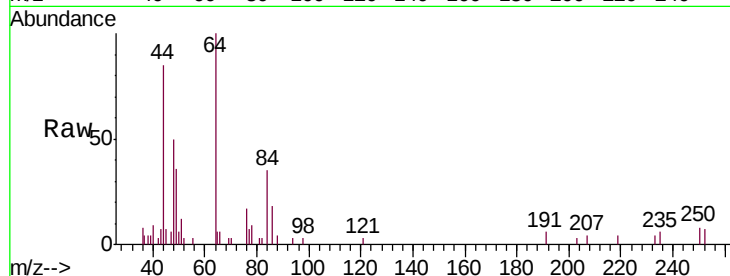




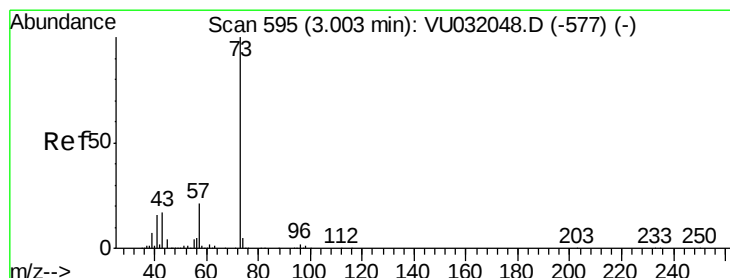
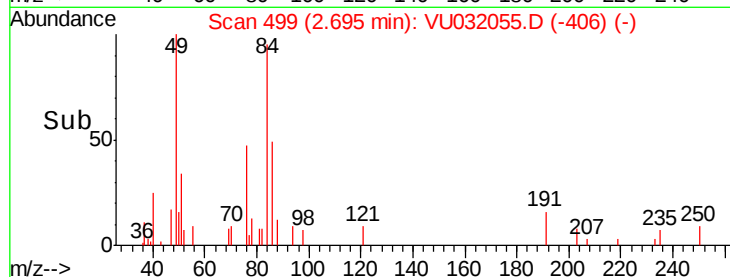
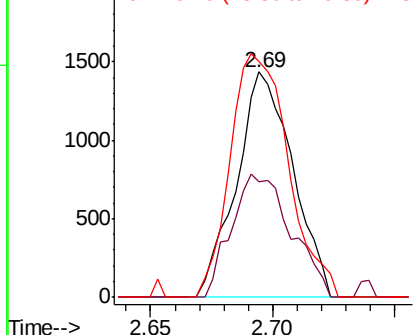
#16
Methylene chloride
Concen: 0.126 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032055.D
Acq: 16 May 2019 17:45

Instrument :
MSVOA_U
ClientSampleId :
DB892

Tgt Ion: 84 Resp: 2291
Ion Ratio Lower Upper
84 100
86 51.3 43.1 80.1
49 121.3 67.7 125.7

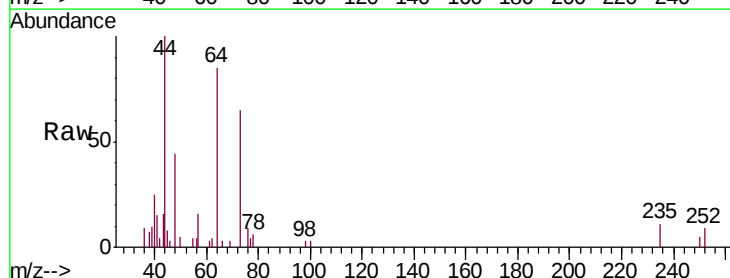


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

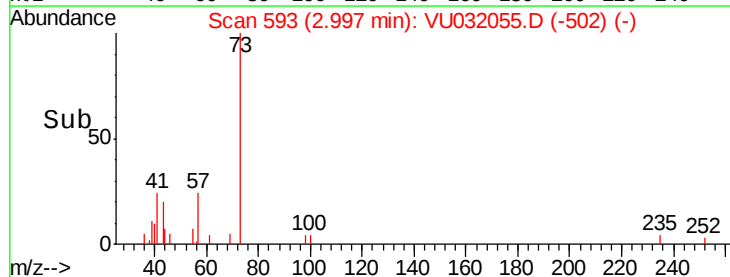
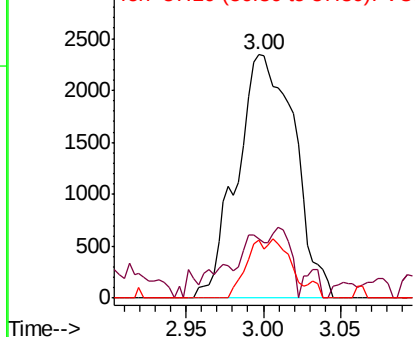


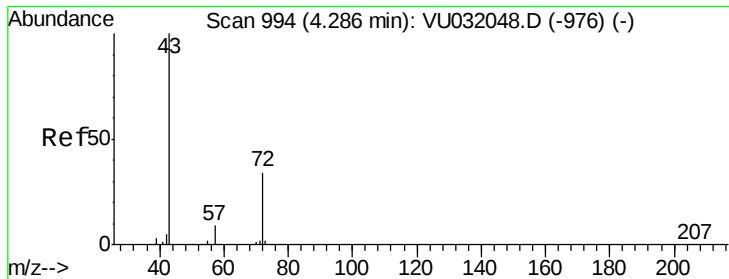
#17
Methyl tert-butyl Ether
Concen: 0.170 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.01 min
Lab File: VU032055.D
Acq: 16 May 2019 17:45

Tgt Ion: 73 Resp: 6088
Ion Ratio Lower Upper
73 100
43 11.4 13.0 19.6#
57 7.8 17.9 26.9#



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





#21

2-Butanone

Concen: 0.999 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.00 min

Lab File: VU032055.D

Acq: 16 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

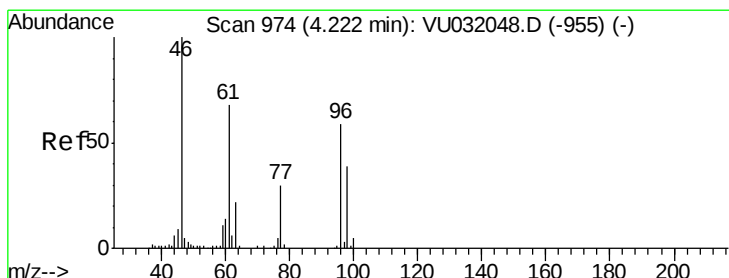
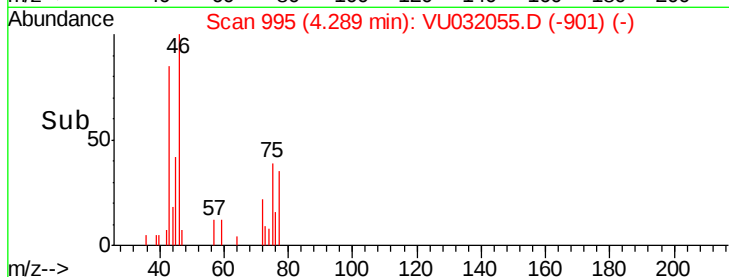
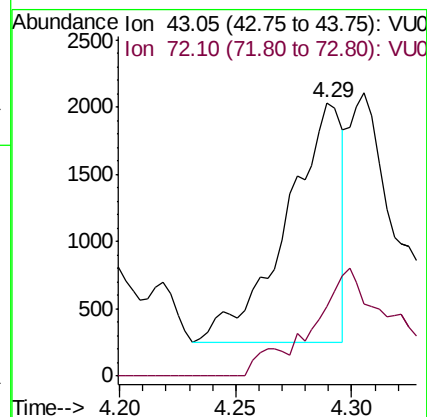
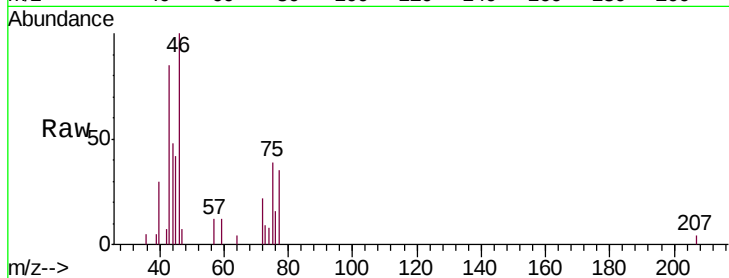
DB892

Tgt Ion: 43 Resp: 2961

Ion Ratio Lower Upper

43 100

72 5.8 16.8 50.3#



#22

cis-1,2-Dichloroethene

Concen: 0.655 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032055.D

Acq: 16 May 2019 17:45

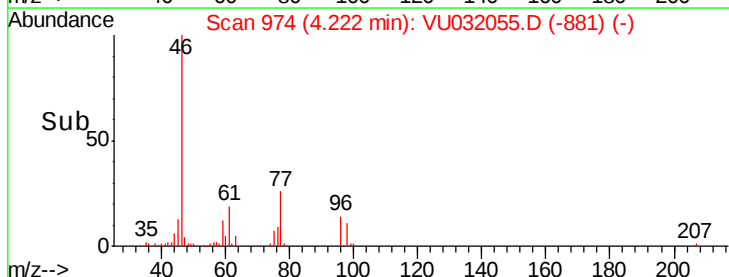
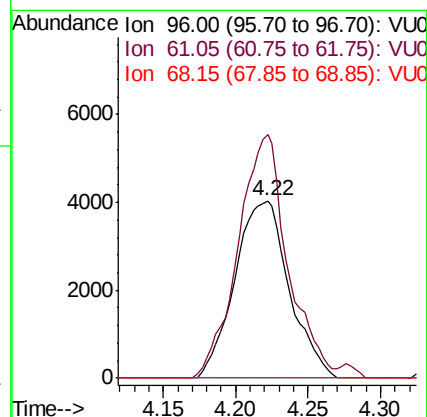
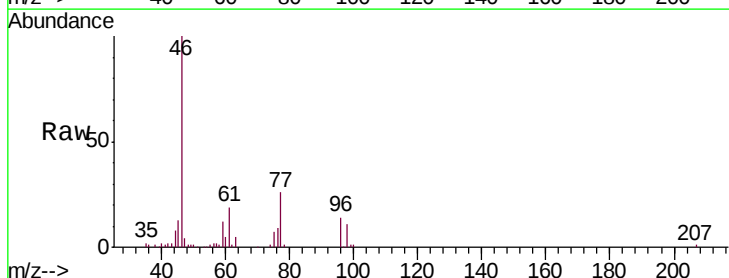
Tgt Ion: 96 Resp: 10529

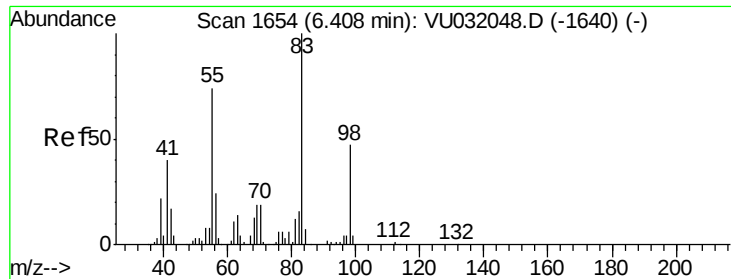
Ion Ratio Lower Upper

96 100

61 137.0 85.8 159.4

68 0.0 0.0 0.0

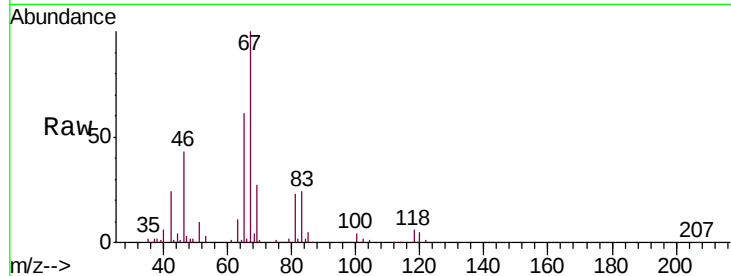




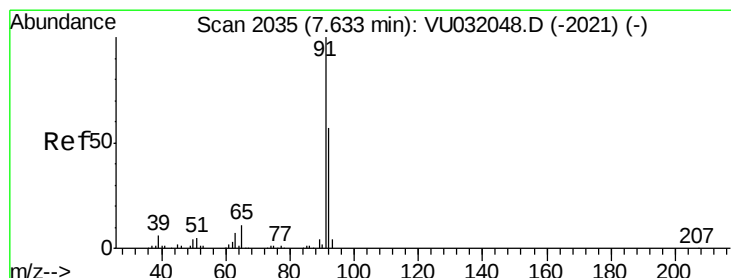
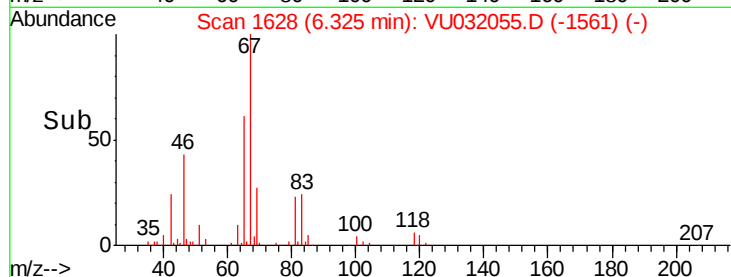
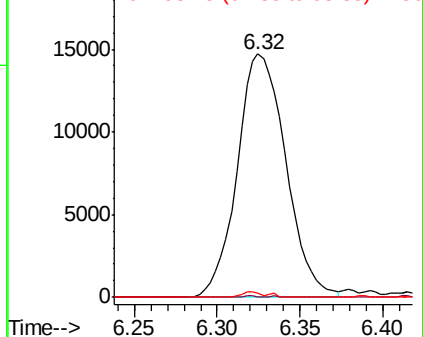
#35
Methylcyclohexane
Concen: 1.276 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032055.D
Acq: 16 May 2019 17:45

Instrument :
MSVOA_U
ClientSampleId :
DB892

Tgt Ion: 83 Resp: 30002
Ion Ratio Lower Upper
83 100
55 0.1 59.7 89.5#
98 0.8 36.8 55.2#

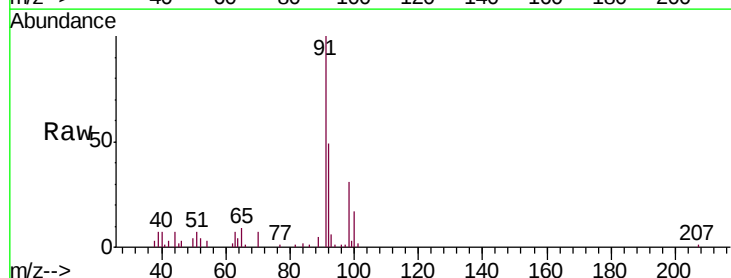


Abundance Ion 83.15 (82.85 to 83.85): VU0
20000 Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

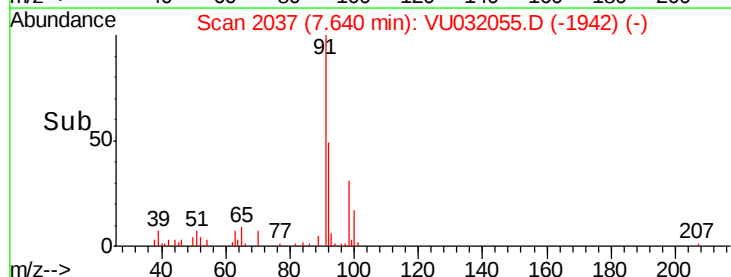
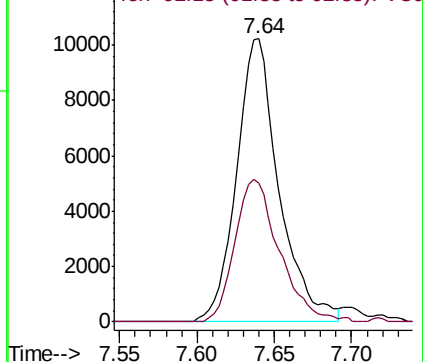


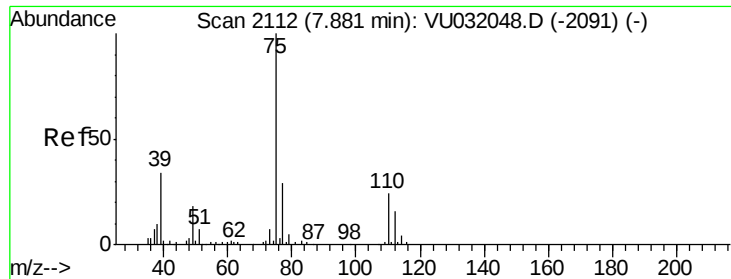
#42
Toluene
Concen: 0.311 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VU032055.D
Acq: 16 May 2019 17:45

Tgt Ion: 91 Resp: 19593
Ion Ratio Lower Upper
91 100
92 49.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0
12000 Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032055.D

Acq: 16 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

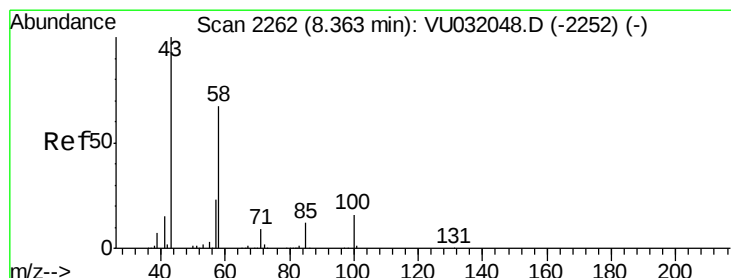
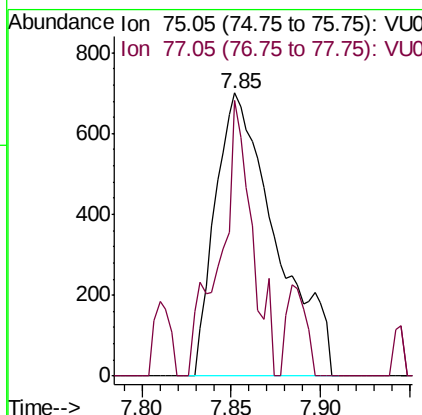
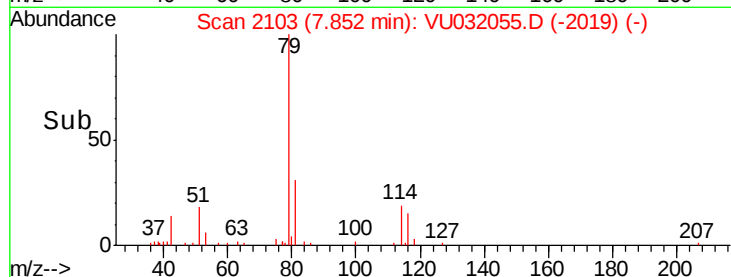
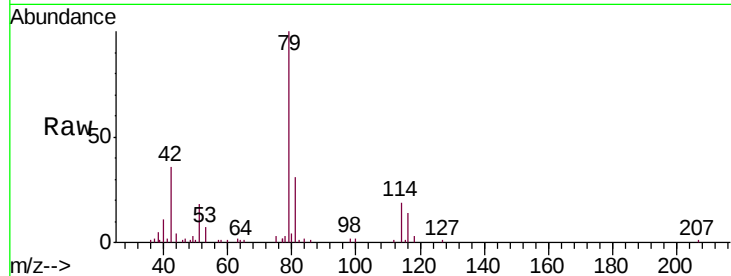
DB892

Tgt Ion: 75 Resp: 1654

Ion Ratio Lower Upper

75 100

77 97.4 21.0 39.0#



#48

2-Hexanone

Concen: 2.355 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU032055.D

Acq: 16 May 2019 17:45

Tgt Ion: 43 Resp: 12457

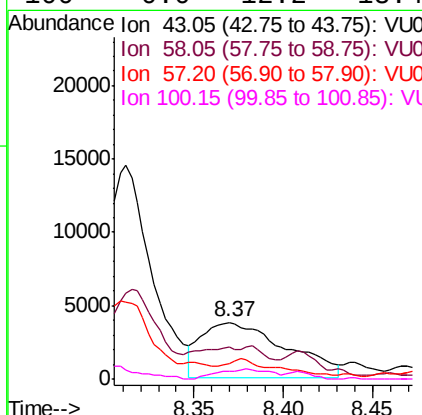
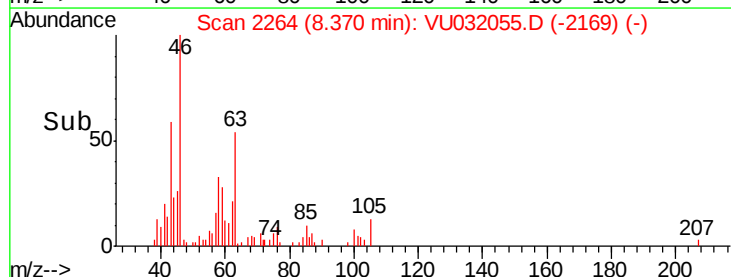
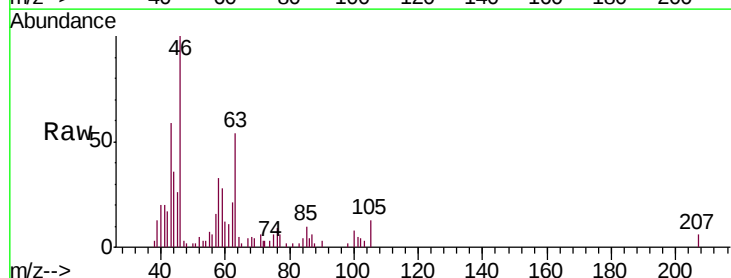
Ion Ratio Lower Upper

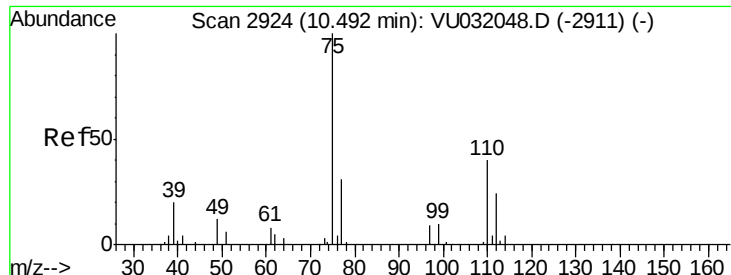
43 100

58 30.8 51.6 77.4#

57 0.0 18.4 27.6#

100 0.0 12.2 18.4#





#59

1,2,3-Trichloropropane

Concen: 1.938 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032055.D

Acq: 16 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

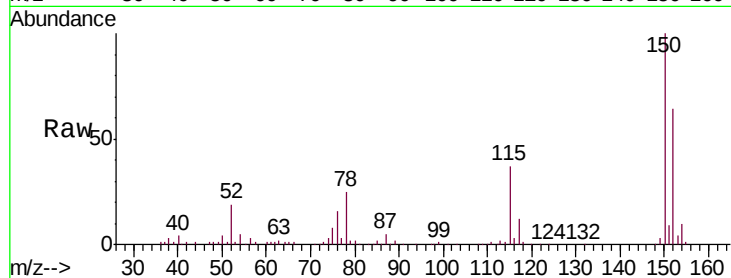
DB892

Tgt Ion: 75 Resp: 18111

Ion Ratio Lower Upper

75 100

77 36.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

