

Data File : VU035054.D
Acq On : 10 Oct 2019 17:46
Operator : JC/SP
Sample : K5309-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB-2-191007-01

Quant Time: Oct 11 04:43:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 04:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	160637	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	161437	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	65378	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	34890	3.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.40%
7) Chloroethane-d5	1.68	69	37135	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.26	63	55145	2.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.00%#
20) 2-Butanone-d5	4.17	46	145660	52.09	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.18%
24) Chloroform-d	4.62	84	83482	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.29	65	49296	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.32	84	165161	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.31	67	61861	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.55	98	141188	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	7.84	79	17250	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
46) 2-Hexanone-d5	8.30	63	105618	48.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.52%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55172	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	54569	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

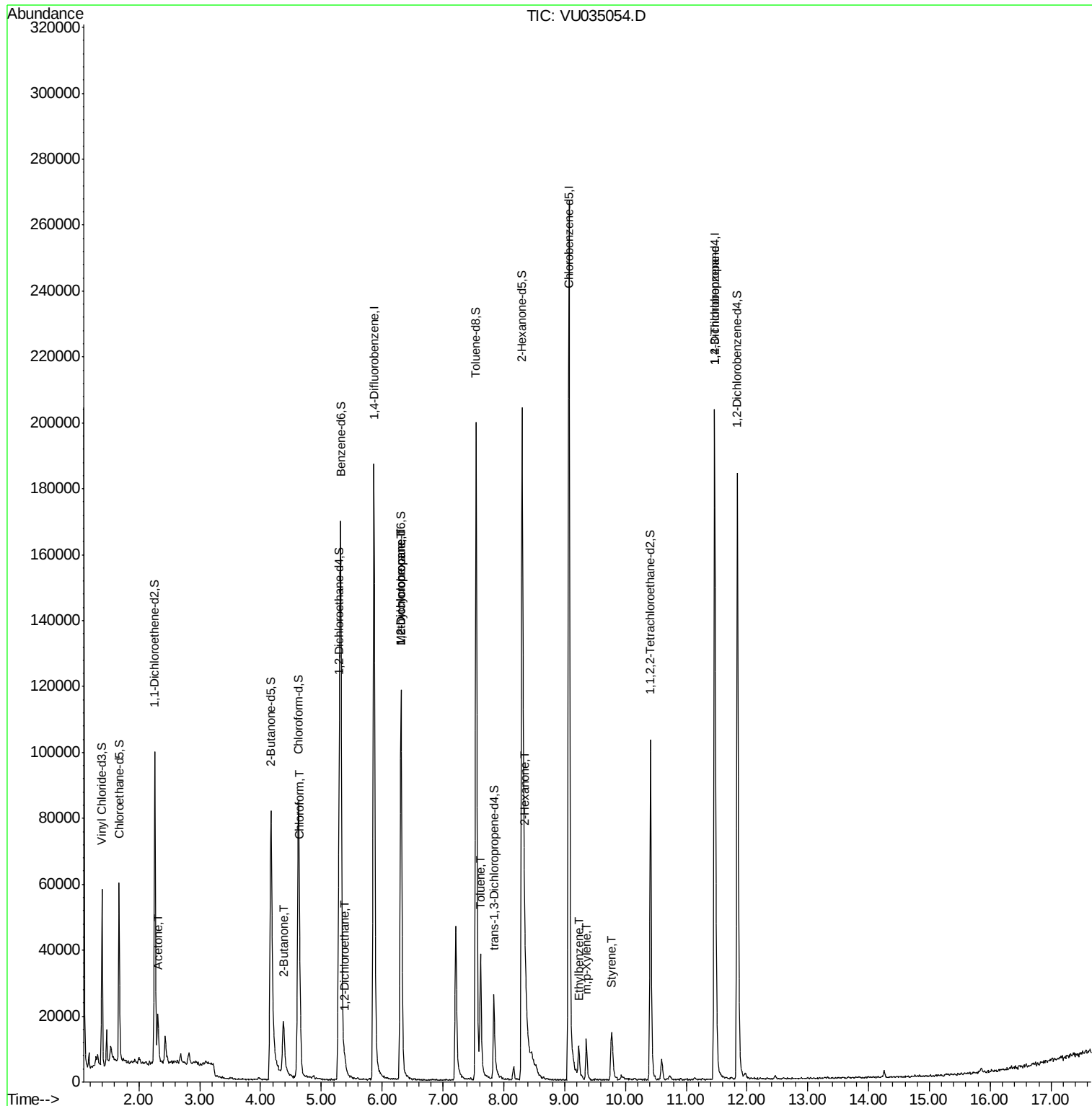
					Qvalue
13) Acetone	2.31	43	16406	7.163	ug/L 100
21) 2-Butanone	4.38	43	28721	8.806	ug/L # 48
25) Chloroform	4.65	83	9806	0.397	ug/L 97
27) 1,2-Dichloroethane	5.39	62	1943	0.135	ug/L # 77
35) Methylcyclohexane	6.31	83	13360	0.658	ug/L # 18
37) 1,2-Dichloropropane	6.31	63	6885	0.525	ug/L # 88
42) Toluene	7.62	91	27136	0.535	ug/L 100
48) 2-Hexanone	8.35	43	5681	1.004	ug/L # 47
52) Ethylbenzene	9.23	91	7473	0.133	ug/L 95
53) m,p-Xylene	9.36	106	3860	0.186	ug/L 88
55) Styrene	9.78	104	7580	0.231	ug/L 94
59) 1,2,3-Trichloropropane	11.47	75	8289	0.976	ug/L 90

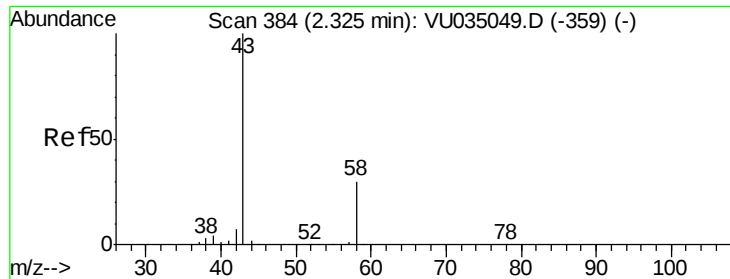
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.163 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU035054.D

Acq: 10 Oct 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

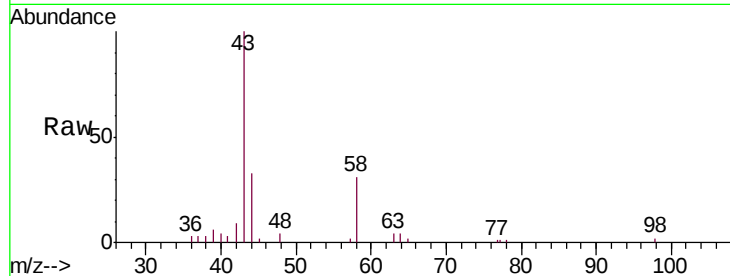
TB-2-191007-01

Tgt Ion: 43 Resp: 16406

Ion Ratio Lower Upper

43 100

58 33.1 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035049.D (-359) (-)

Ion 58.05 (57.75 to 58.75): VU035049.D (-359) (-)

2.31

10000

8000

6000

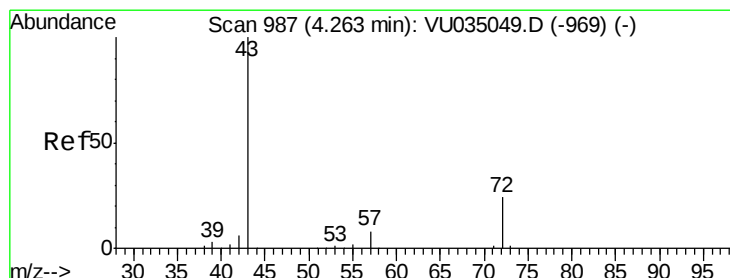
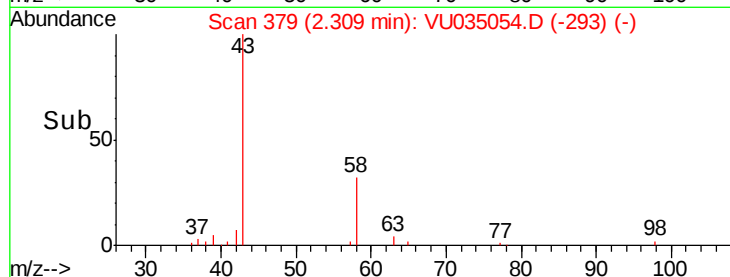
4000

2000

0

Time-->

2.25 2.30 2.35



#21

2-Butanone

Concen: 8.806 ug/L

RT: 4.38 min Scan# 1022

Delta R.T. 0.11 min

Lab File: VU035054.D

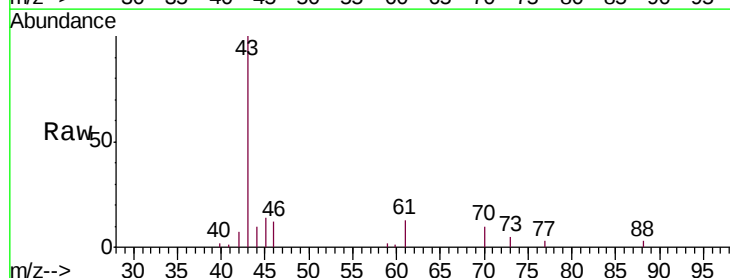
Acq: 10 Oct 2019 17:46

Tgt Ion: 43 Resp: 28721

Ion Ratio Lower Upper

43 100

72 0.1 13.5 40.4#



Abundance Ion 43.05 (42.75 to 43.75): VU035049.D (-969) (-)

Ion 72.10 (71.80 to 72.80): VU035049.D (-969) (-)

4.38

12000

10000

8000

6000

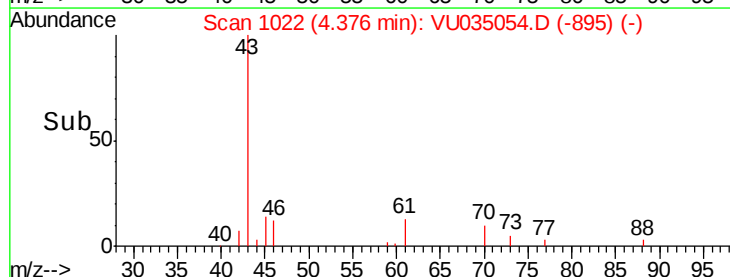
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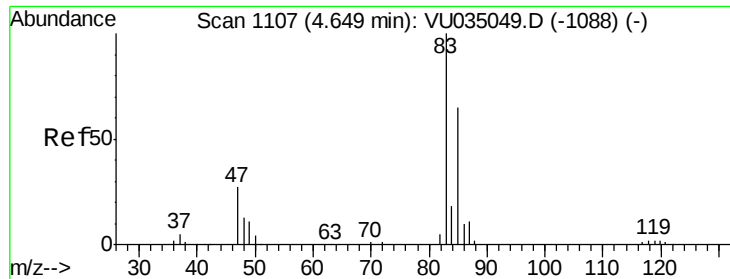
2000

0

Time-->

4.30 4.40 4.50

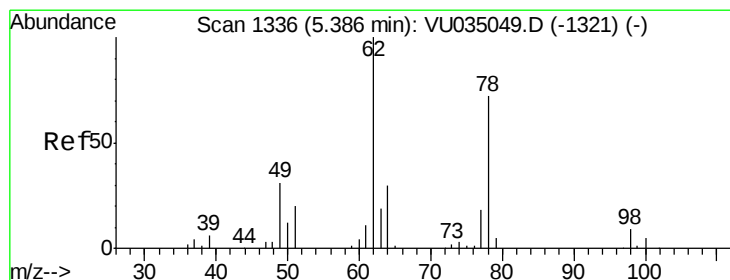
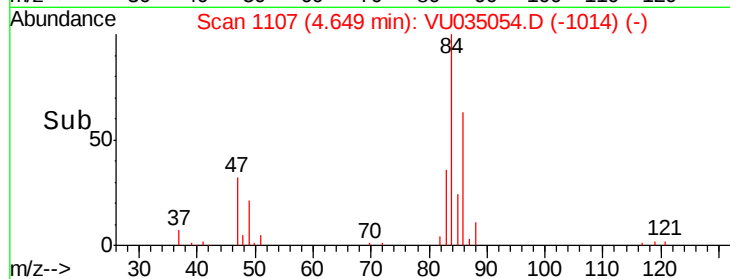
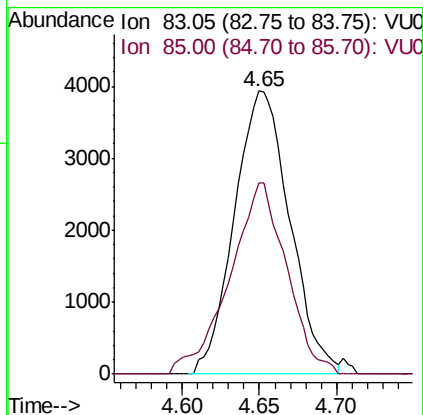
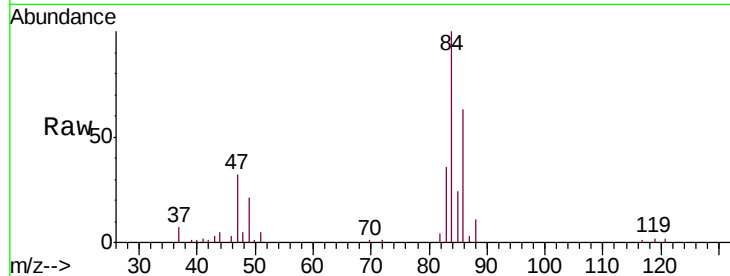




#25
Chloroform
Concen: 0.397 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU035054.D
Acq: 10 Oct 2019 17:46

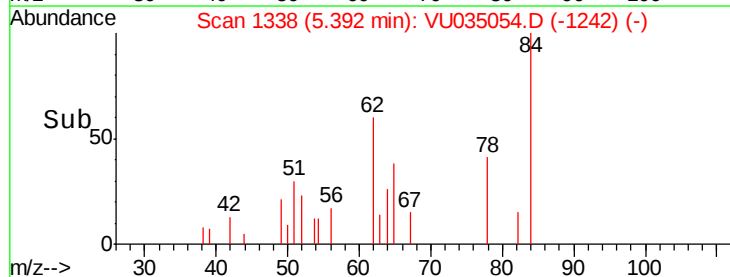
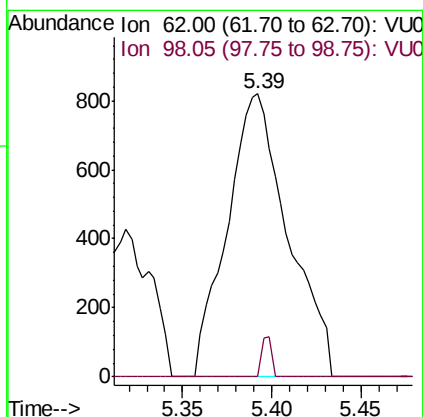
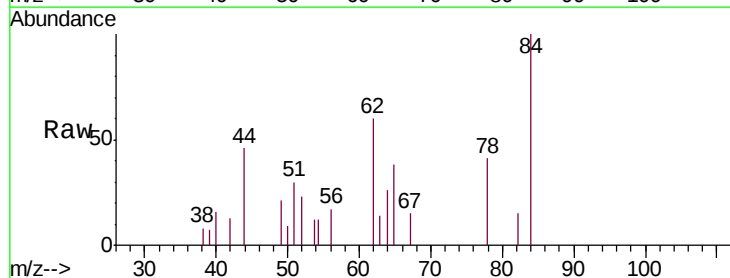
Instrument :
MSVOA_U
ClientSampleId :
TB-2-191007-01

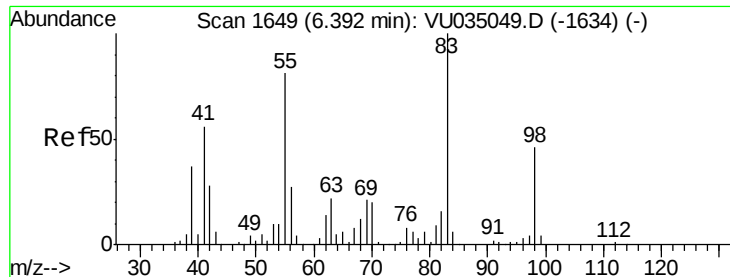
Tgt Ion: 83 Resp: 9806
Ion Ratio Lower Upper
83 100
85 67.6 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.135 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU035054.D
Acq: 10 Oct 2019 17:46

Tgt Ion: 62 Resp: 1943
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

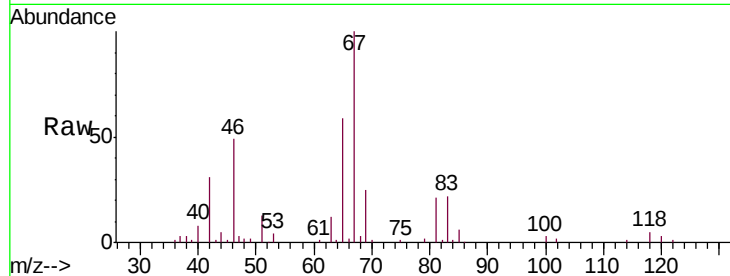




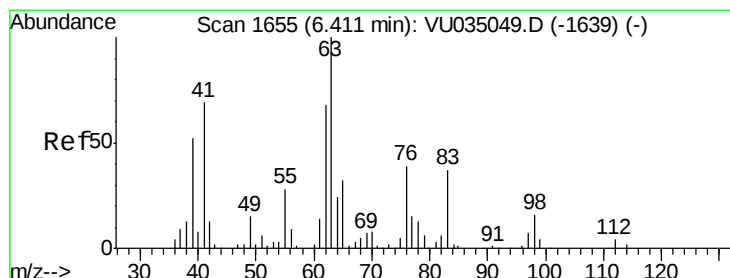
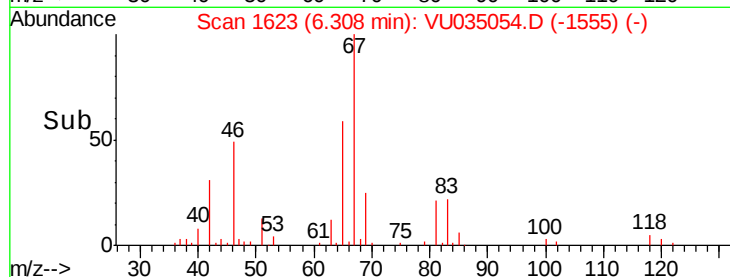
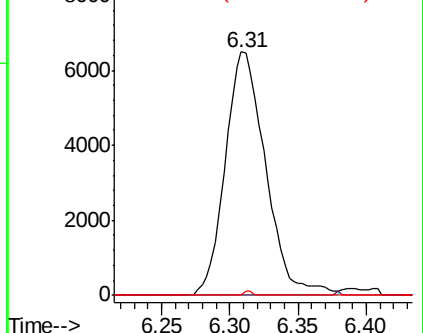
#35
Methylcyclohexane
Concen: 0.658 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU035054.D
Acq: 10 Oct 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
TB-2-191007-01

Tgt Ion: 83 Resp: 13360
Ion Ratio Lower Upper
83 100
55 0.1 62.6 94.0#
98 0.3 36.2 54.2#

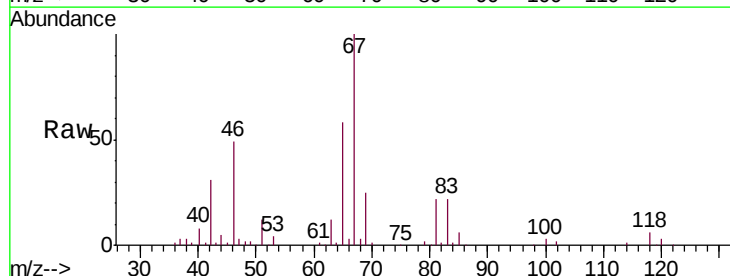


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

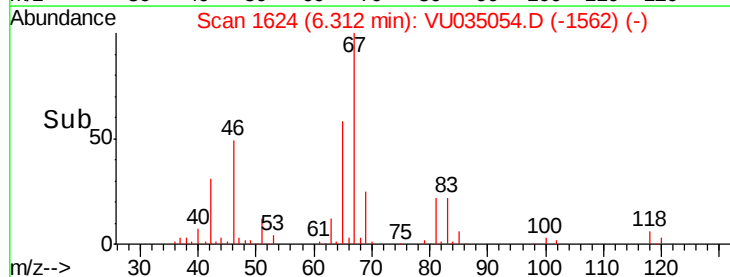
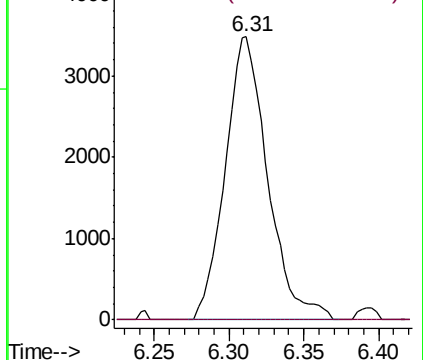


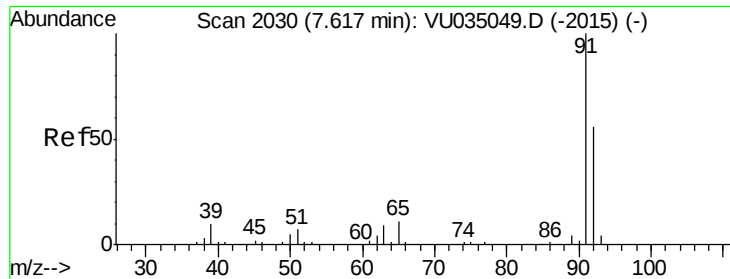
#37
1,2-Dichloropropane
Concen: 0.525 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU035054.D
Acq: 10 Oct 2019 17:46

Tgt Ion: 63 Resp: 6885
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.535 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU035054.D

Acq: 10 Oct 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

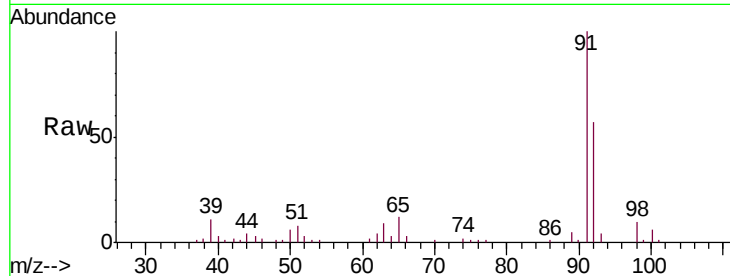
TB-2-191007-01

Tgt Ion: 91 Resp: 27136

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035049.D (-2015) (-)

Ion 92.15 (91.85 to 92.85): VU035049.D (-2015) (-)

7.62

15000

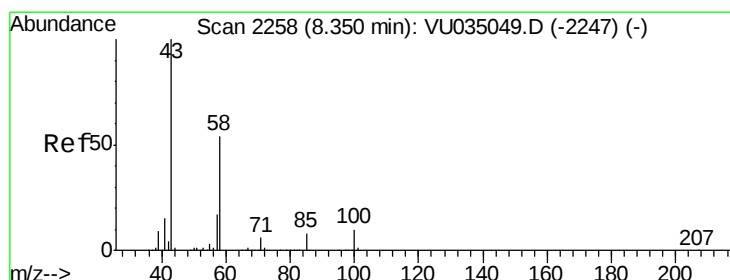
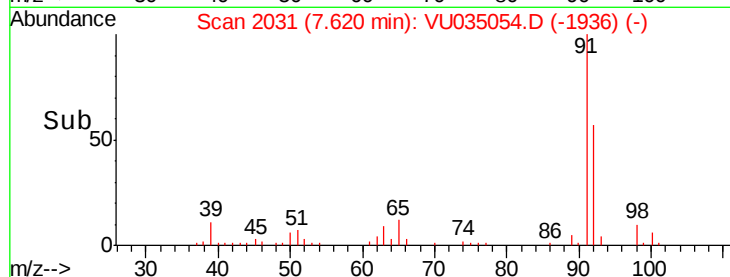
10000

5000

0

7.60 7.70

Time-->



#48

2-Hexanone

Concen: 1.004 ug/L

RT: 8.35 min Scan# 2257

Delta R.T. 0.00 min

Lab File: VU035054.D

Acq: 10 Oct 2019 17:46

Tgt Ion: 43 Resp: 5681

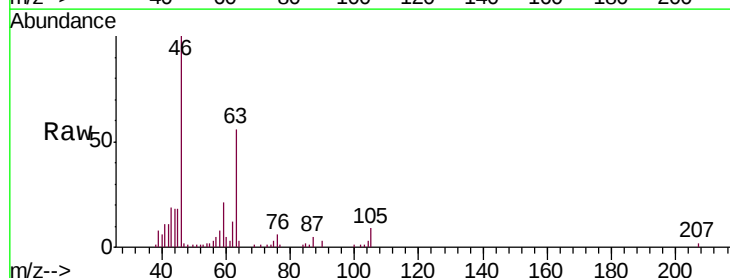
Ion Ratio Lower Upper

43 100

58 9.1 44.1 66.1#

57 0.0 15.8 23.8#

100 3.6 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VU035049.D (-2247) (-)

Ion 58.05 (57.75 to 58.75): VU035049.D (-2247) (-)

Ion 57.20 (56.90 to 57.90): VU035049.D (-2247) (-)

Ion 100.15 (99.85 to 100.85): VU035049.D (-2247) (-)

8.35

6000

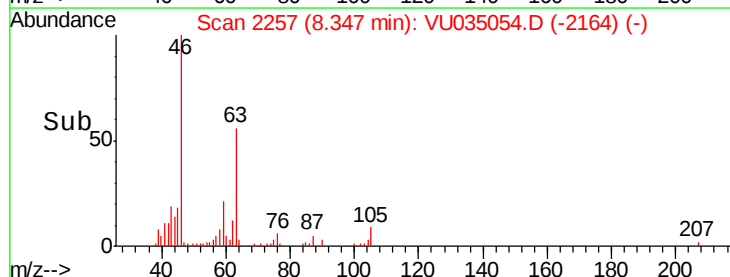
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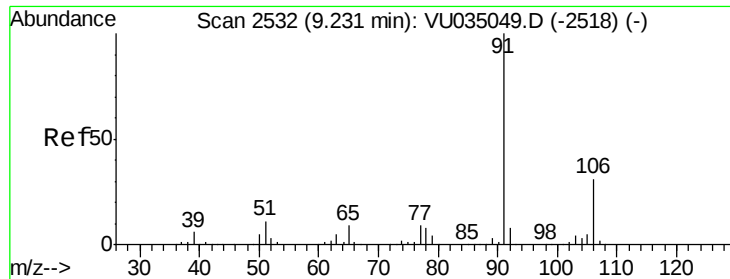
2000

0

8.30 8.35 8.40

Time-->





#52

Ethylbenzene

Concen: 0.133 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.01 min

Lab File: VU035054.D

Acq: 10 Oct 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

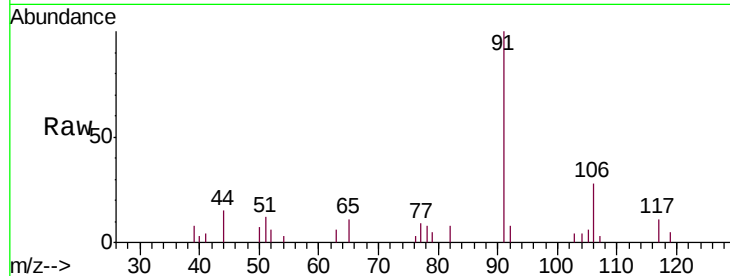
TB-2-191007-01

Tgt Ion: 91 Resp: 7473

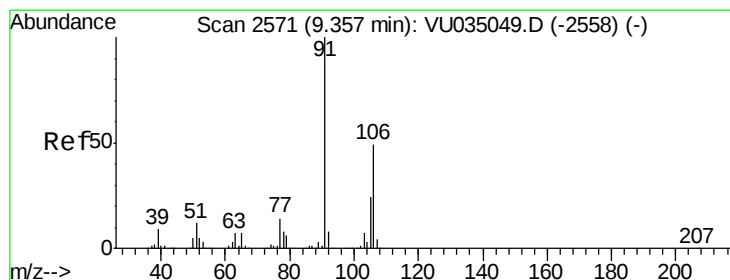
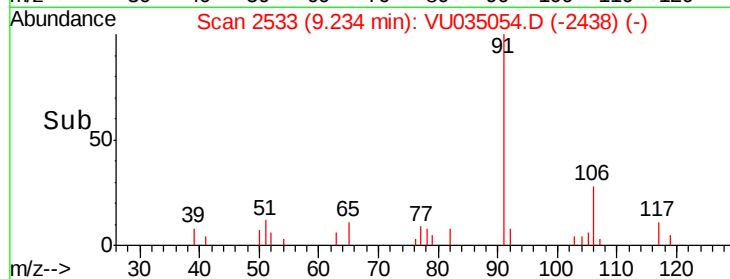
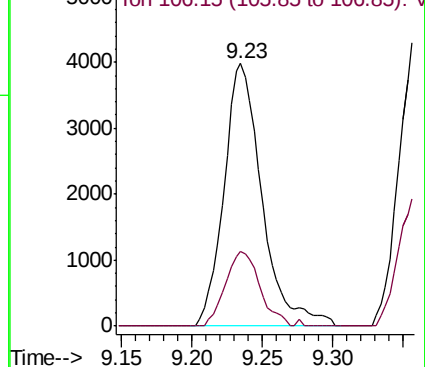
Ion Ratio Lower Upper

91 100

106 28.3 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VU035049.D (-2518) (-)



#53

m,p-Xylene

Concen: 0.186 ug/L

RT: 9.36 min Scan# 2573

Delta R.T. 0.01 min

Lab File: VU035054.D

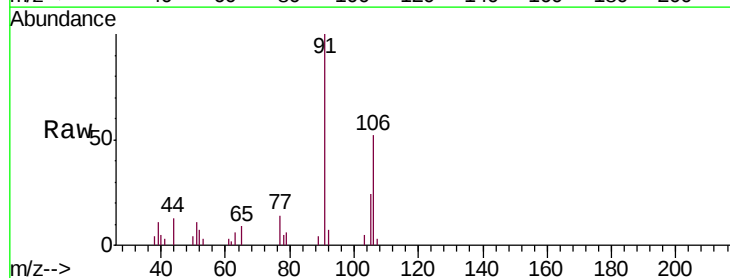
Acq: 10 Oct 2019 17:46

Tgt Ion: 106 Resp: 3860

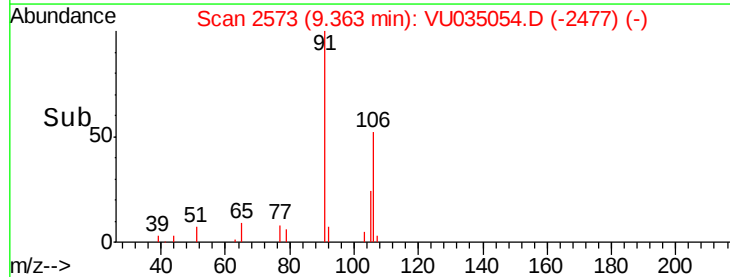
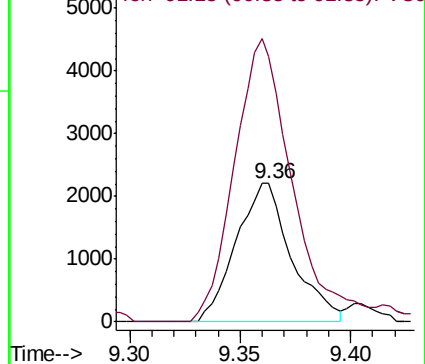
Ion Ratio Lower Upper

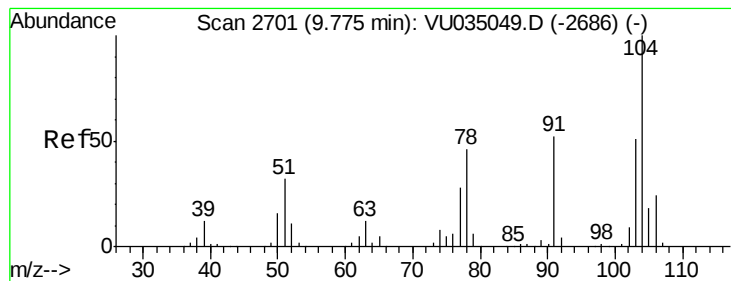
106 100

91 191.5 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU035049.D (-2558) (-)





#55

Styrene

Concen: 0.231 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

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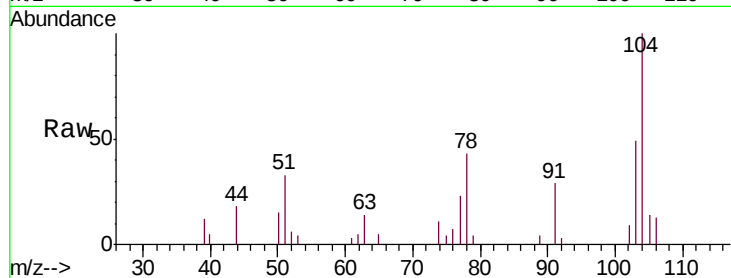
TB-2-191007-01

Tgt Ion:104 Resp: 7580

Ion Ratio Lower Upper

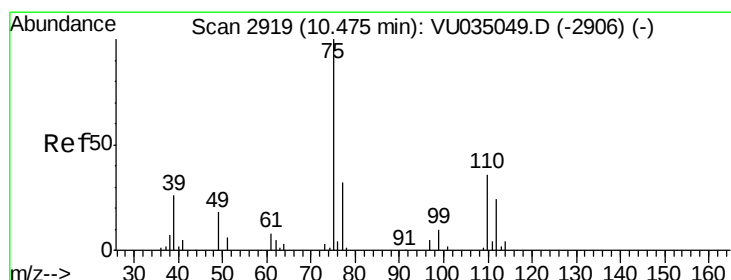
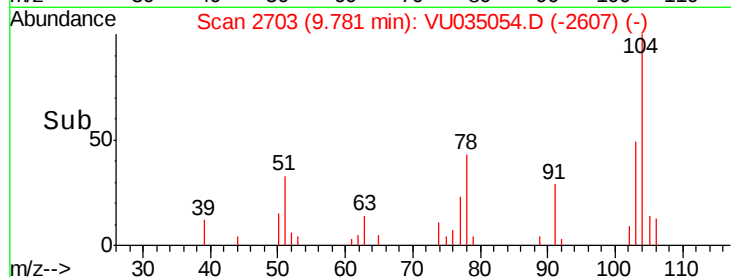
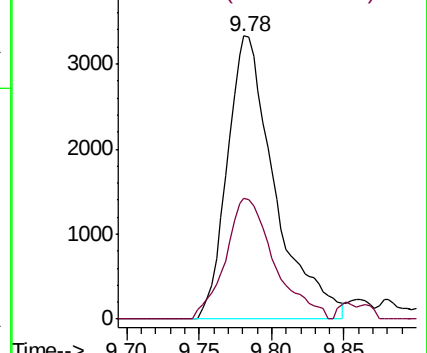
104 100

78 42.8 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): VU035049.D

Ion 78.10 (77.80 to 78.80): VU035049.D



#59

1,2,3-Trichloropropane

Concen: 0.976 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 1.00 min

Lab File: VU035054.D

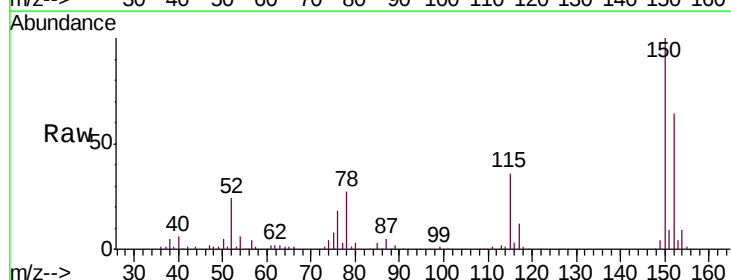
Acq: 10 Oct 2019 17:46

Tgt Ion: 75 Resp: 8289

Ion Ratio Lower Upper

75 100

77 38.8 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU035049.D

Ion 77.00 (76.70 to 77.70): VU035049.D

