

Data File : VU031966.D
Acq On : 13 May 2019 12:54
Operator : JC/SP
Sample : K2739-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB886

Quant Time: May 14 02:42:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 14 02:38:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	534783	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	540855	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	254877	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	108506	2.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.60%
7) Chloroethane-d5	1.68	69	115518	3.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.80%
11) 1,1-Dichloroethene-d2	2.27	63	171196	2.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	43.60%#
20) 2-Butanone-d5	4.18	46	519334	36.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.00%
24) Chloroform-d	4.64	84	274979	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.60%
26) 1,2-Dichloroethane-d4	5.31	65	145384	3.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.00%#
32) Benzene-d6	5.33	84	528396	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.40%
36) 1,2-Dichloropropane-d6	6.33	67	183503	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.20%
41) Toluene-d8	7.56	98	490644	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	7.85	79	70827	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.31	63	425454	47.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	174269	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	194793	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	19972	0.272 ug/L #	71
8) Chloroethane	1.58	64	42234	1.196 ug/L #	52
13) Acetone	2.32	43	40900	4.208 ug/L	93
14) Carbon disulfide	2.48	76	13715	0.107 ug/L	96
15) Methyl Acetate	2.74	43	290834	11.599 ug/L #	59
18) trans-1,2-Dichloroethene	2.97	96	10254	0.262 ug/L	72
22) cis-1,2-Dichloroethene	4.22	96	19724	0.419 ug/L #	84
30) Cyclohexane	4.99	56	635629	7.830 ug/L	92
35) Methylcyclohexane	6.41	83	1714199	25.100 ug/L	94
37) 1,2-Dichloropropane	6.40	63	17356	0.322 ug/L #	31
38) Bromodichloromethane	6.73	83	12577	0.196 ug/L #	56
42) Toluene	7.64	91	35827	0.192 ug/L	97
45) 1,1,2-Trichloroethane	8.04	97	445312	13.926 ug/L #	17
52) Ethylbenzene	9.25	91	78299	0.403 ug/L	99
56) Isopropylbenzene	10.16	105	3420067	19.319 ug/L	98
59) 1,2,3-Trichloropropane	10.58	75	47024	1.472 ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.65	75	27811	3.746 ug/L #	20

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051319\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

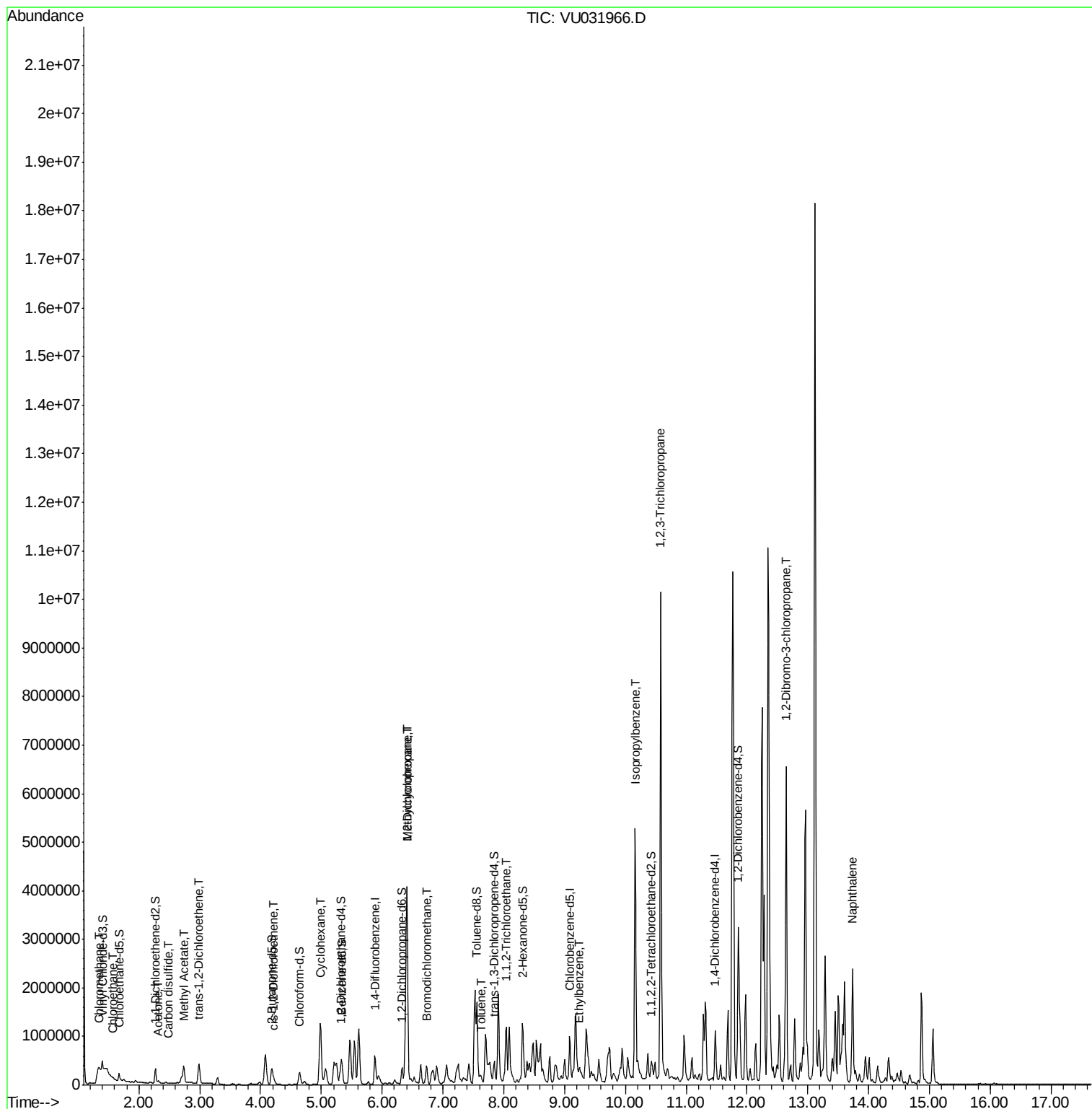
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.74	128	1761590	22.610	ug/L #	97

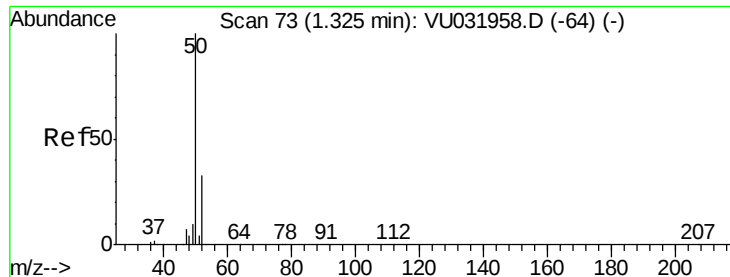
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.272 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU031966.D

Acq: 13 May 2019 12:54

Instrument :

MSVOA_U

ClientSampleId :

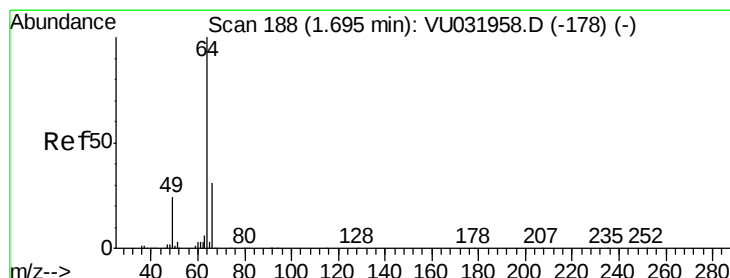
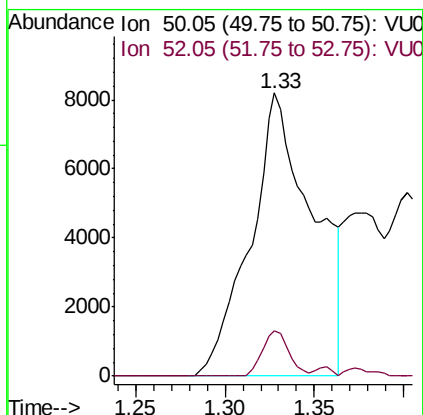
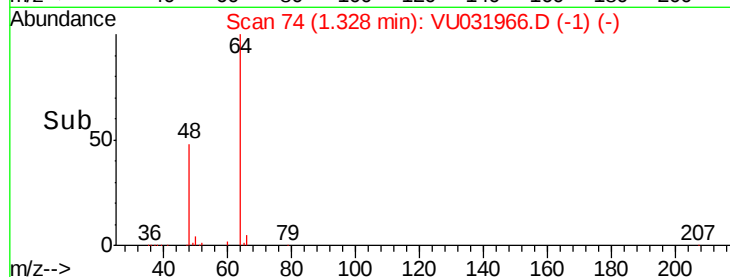
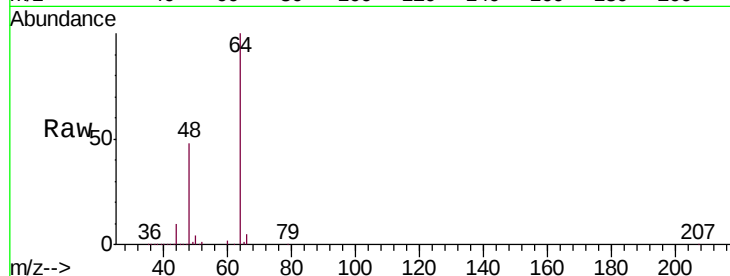
DB886

Tgt Ion: 50 Resp: 19972

Ion Ratio Lower Upper

50 100

52 15.9 22.5 41.7#



#8

Chloroethane

Concen: 1.196 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.12 min

Lab File: VU031966.D

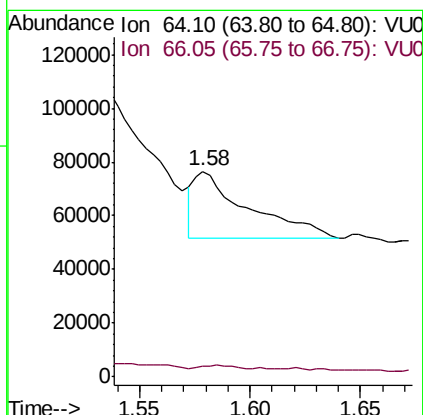
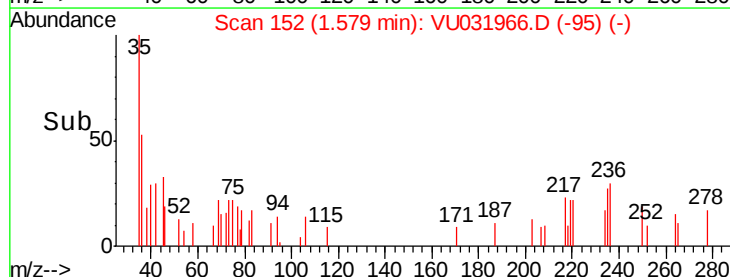
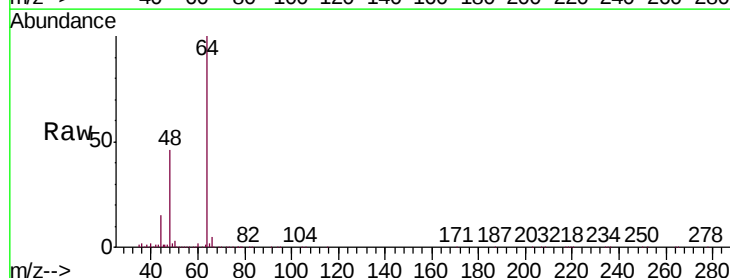
Acq: 13 May 2019 12:54

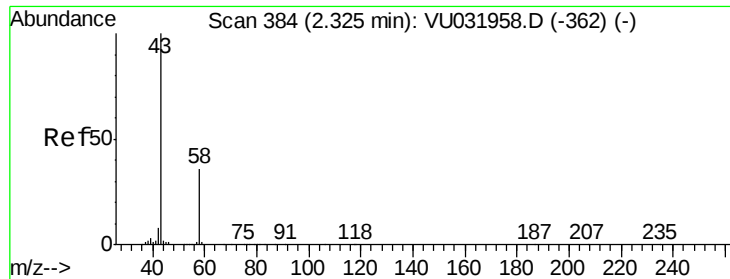
Tgt Ion: 64 Resp: 42234

Ion Ratio Lower Upper

64 100

66 5.0 21.9 40.7#





#13

Acetone

Concen: 4.208 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU031966.D

Acq: 13 May 2019 12:54

Instrument :

MSVOA_U

ClientSampleId :

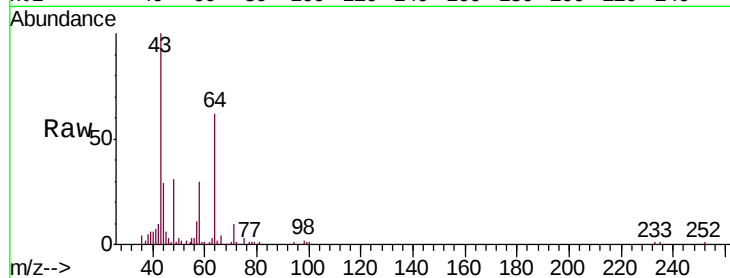
DB886

Tgt Ion: 43 Resp: 40900

Ion Ratio Lower Upper

43 100

58 30.5 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU031958.D (-362) (-)

Ion 58.05 (57.75 to 58.75): VU031958.D (-362) (-)

2.32

25000

20000

15000

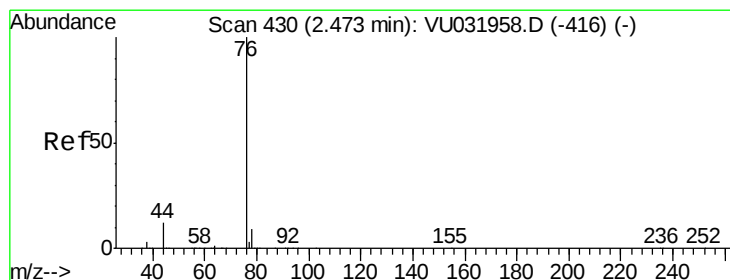
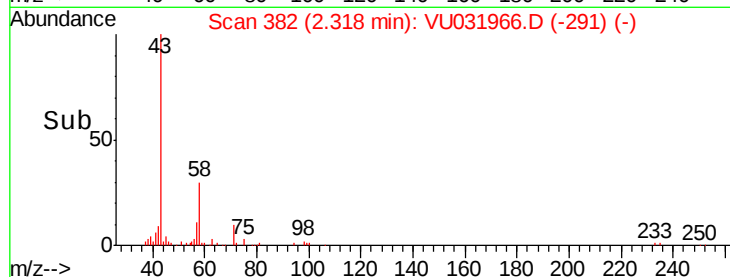
10000

5000

0

2.25 2.30 2.35 2.40

Time-->



#14

Carbon disulfide

Concen: 0.107 ug/L

RT: 2.48 min Scan# 433

Delta R.T. 0.01 min

Lab File: VU031966.D

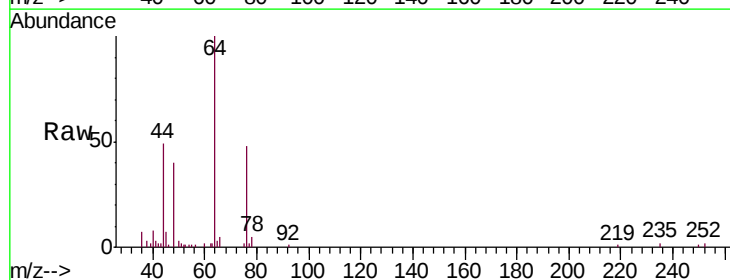
Acq: 13 May 2019 12:54

Tgt Ion: 76 Resp: 13715

Ion Ratio Lower Upper

76 100

78 10.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU031958.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031958.D (-416) (-)

2.48

8000

6000

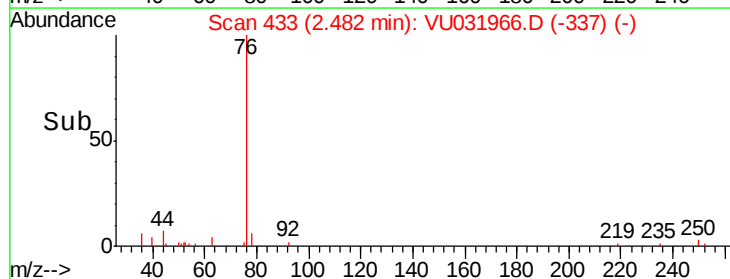
4000

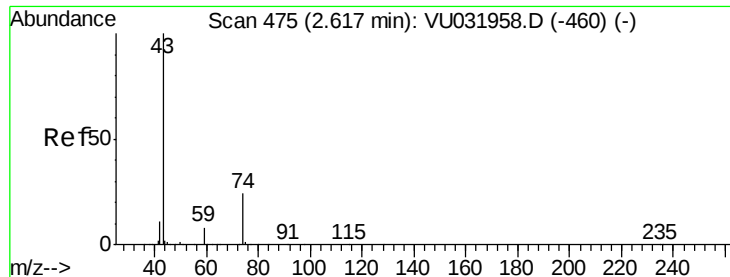
2000

0

2.45 2.50

Time-->





#15

Methyl Acetate

Concen: 11.599 ug/L

RT: 2.74 min Scan# 512

Delta R.T. 0.12 min

Lab File: VU031966.D

Acq: 13 May 2019 12:54

Instrument :

MSVOA_U

ClientSampleID :

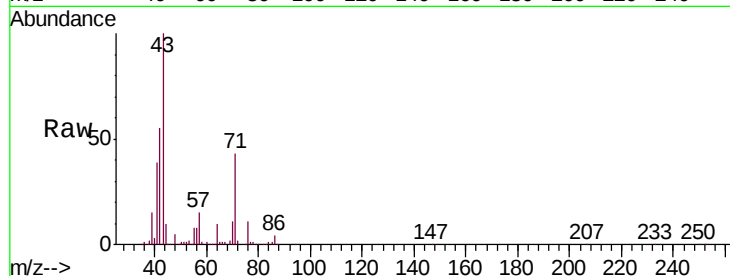
DB886

Tgt Ion: 43 Resp: 290834

Ion Ratio Lower Upper

43 100

74 0.0 14.7 22.1#



Abundance Ion 43.05 (42.75 to 43.75): VU031958.D (-460) (-)

Ion 74.05 (73.75 to 74.75): VU031958.D (-460) (-)

2.74

120000

100000

80000

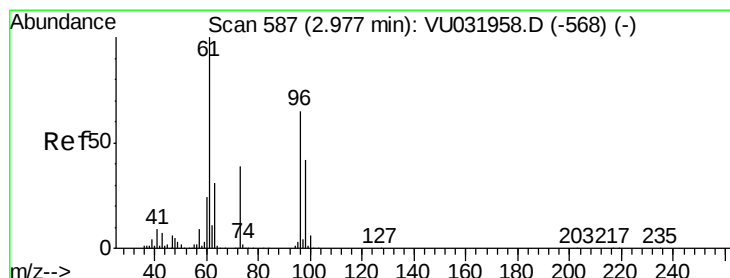
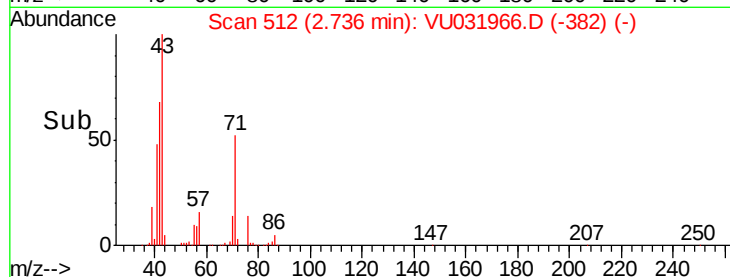
60000

40000

20000

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.262 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU031966.D

Acq: 13 May 2019 12:54

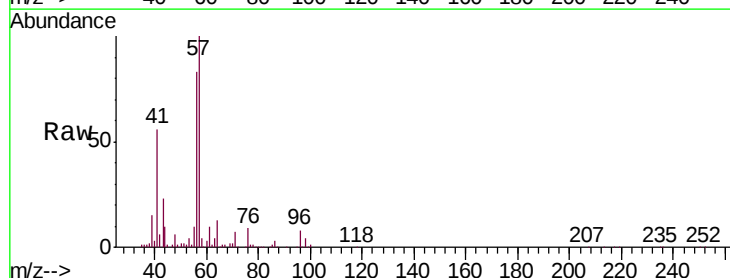
Tgt Ion: 96 Resp: 10254

Ion Ratio Lower Upper

96 100

61 137.8 130.9 243.1

98 56.9 46.2 85.8



Abundance Ion 96.00 (95.70 to 96.70): VU031958.D (-568) (-)

Ion 61.05 (60.75 to 61.75): VU031958.D (-568) (-)

Ion 97.95 (97.65 to 98.65): VU031958.D (-568) (-)

10000

8000

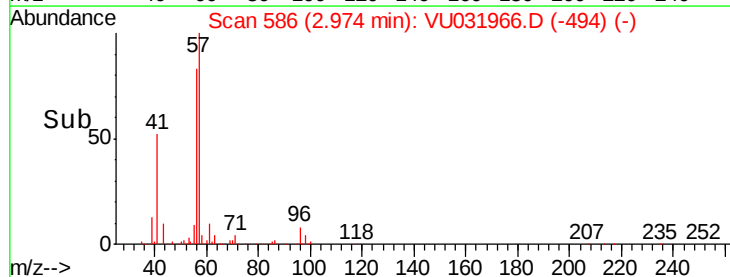
6000

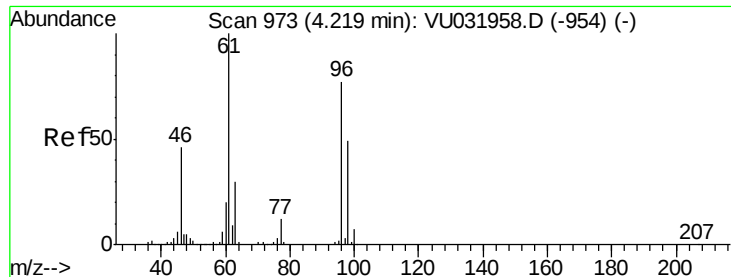
4000

2000

0

Time-->



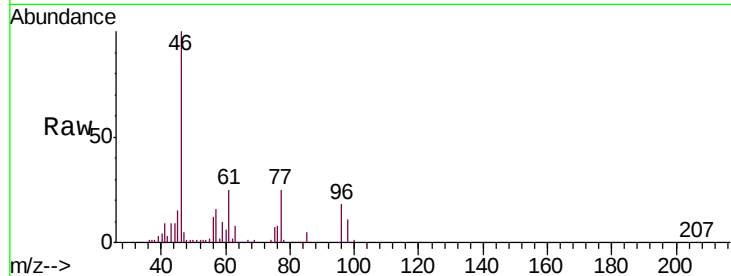


#22

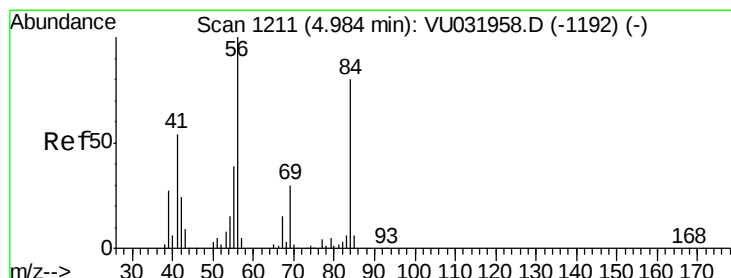
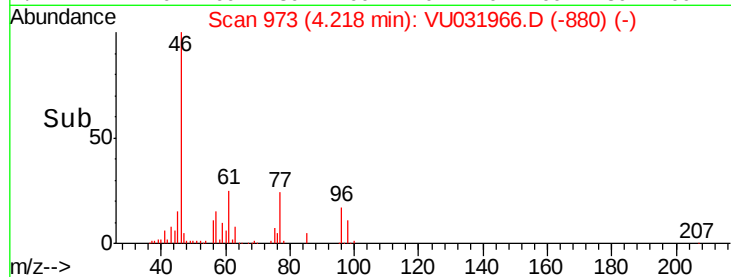
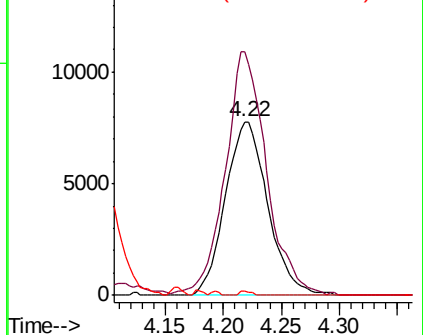
cis-1,2-Dichloroethene
Concen: 0.419 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU031966.D
Acq: 13 May 2019 12:54

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 96 Resp: 19724
Ion Ratio Lower Upper
96 100
61 140.1 113.3 210.5
68 2.1 0.0 0.0#



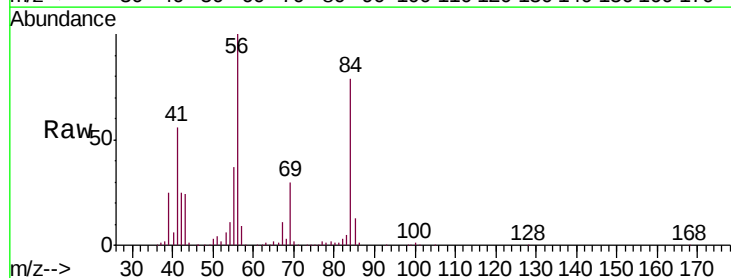
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



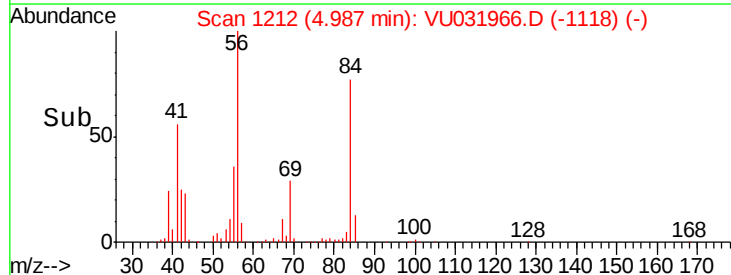
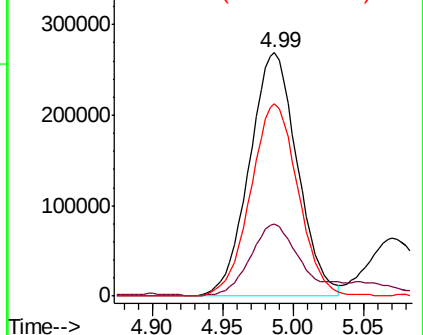
#30

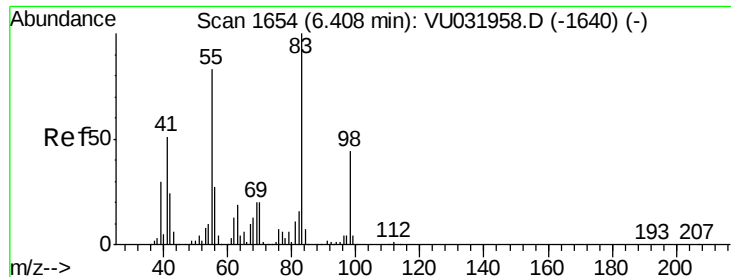
Cyclohexane
Concen: 7.830 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU031966.D
Acq: 13 May 2019 12:54

Tgt Ion: 56 Resp: 635629
Ion Ratio Lower Upper
56 100
69 29.5 21.8 32.8
84 78.6 56.8 85.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

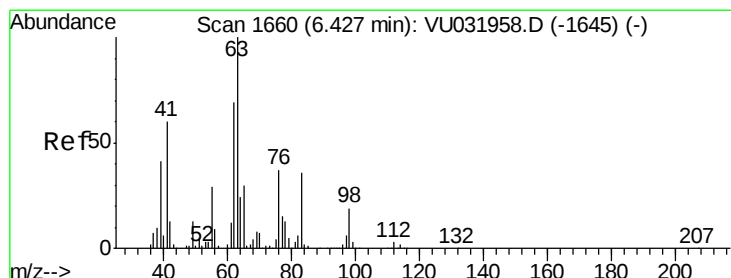
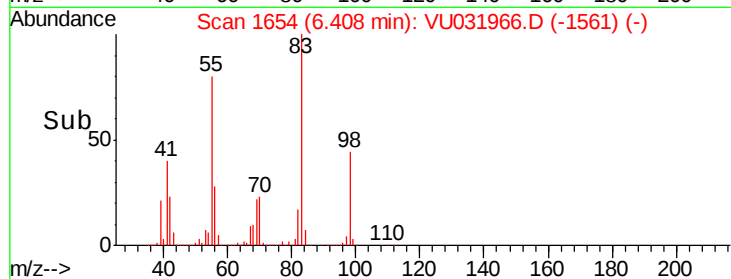
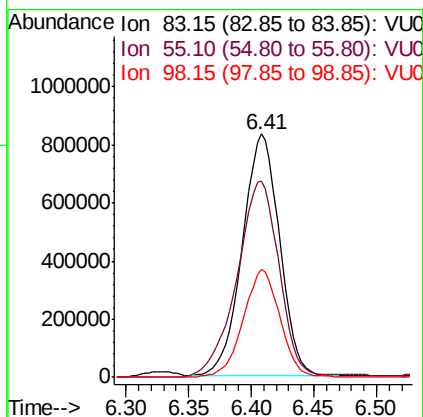
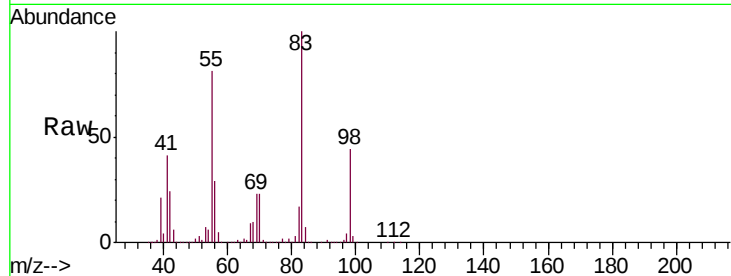




#35
Methylcyclohexane
Concen: 25.100 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU031966.D
Acq: 13 May 2019 12:54

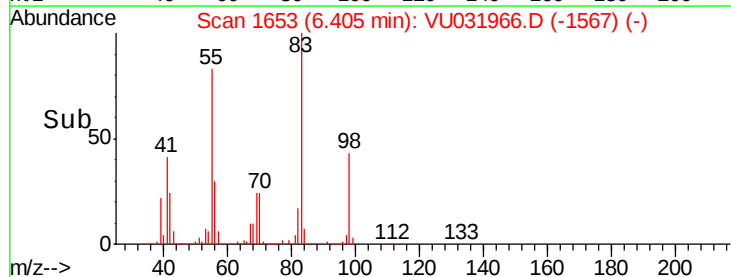
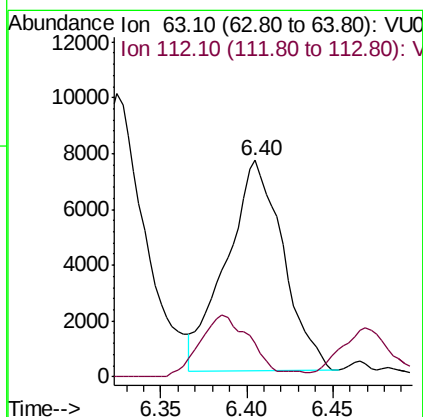
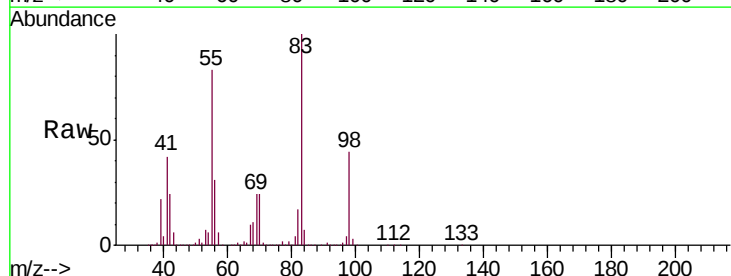
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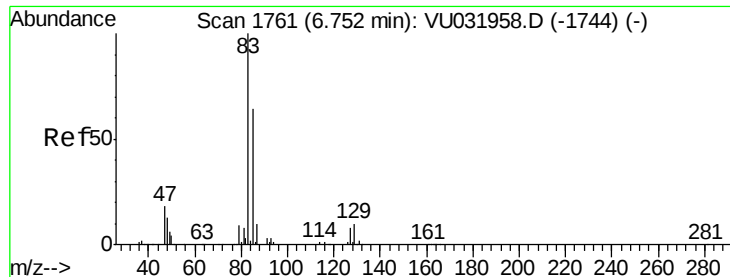
Tgt Ion: 83 Resp: 1714199
Ion Ratio Lower Upper
83 100
55 91.8 79.2 118.8
98 44.0 34.0 51.0



#37
1,2-Dichloropropane
Concen: 0.322 ug/L
RT: 6.40 min Scan# 1653
Delta R.T. -0.02 min
Lab File: VU031966.D
Acq: 13 May 2019 12:54

Tgt Ion: 63 Resp: 17356
Ion Ratio Lower Upper
63 100
112 26.0 2.5 3.7#





#38

Bromodichloromethane

Concen: 0.196 ug/L

RT: 6.73 min Scan# 1754

Delta R.T. -0.02 min

Lab File: VU031966.D

Acq: 13 May 2019 12:54

Instrument :

MSVOA_U

ClientSampleId :

DB886

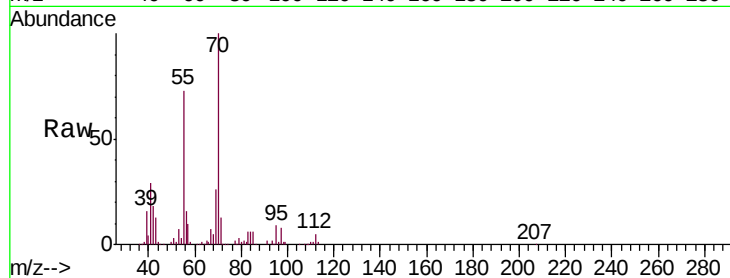
Tgt Ion: 83 Resp: 12577

Ion Ratio Lower Upper

83 100

85 94.1 41.3 76.7#

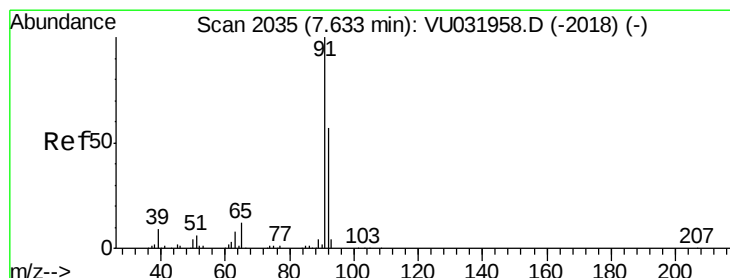
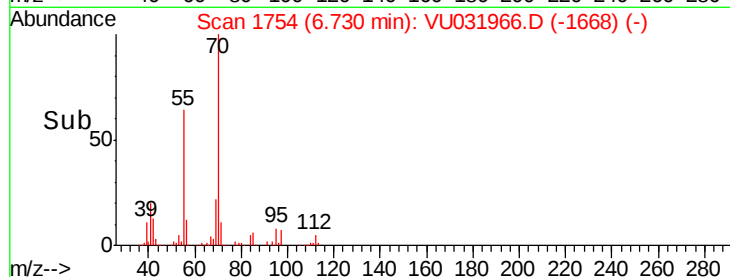
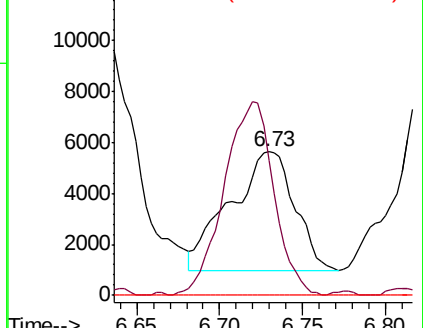
127 0.0 5.8 8.6#



Abundance Ion 82.95 (82.65 to 83.65): VU031958.D (-1744) (-)

Ion 85.00 (84.70 to 85.70): VU031958.D (-1744) (-)

Ion 126.90 (126.60 to 127.60): VU031958.D (-1744) (-)



#42

Toluene

Concen: 0.192 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031966.D

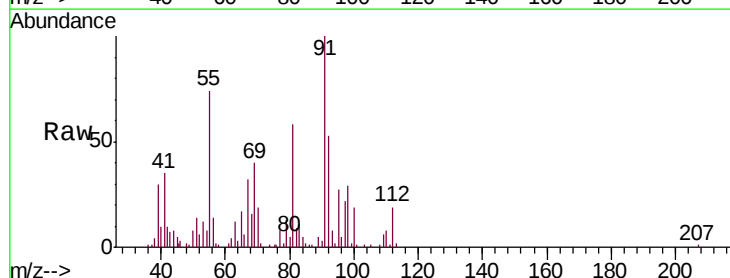
Acq: 13 May 2019 12:54

Tgt Ion: 91 Resp: 35827

Ion Ratio Lower Upper

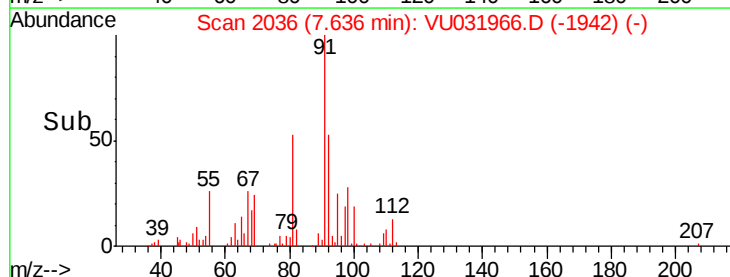
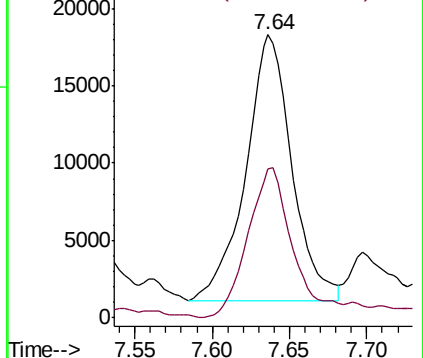
91 100

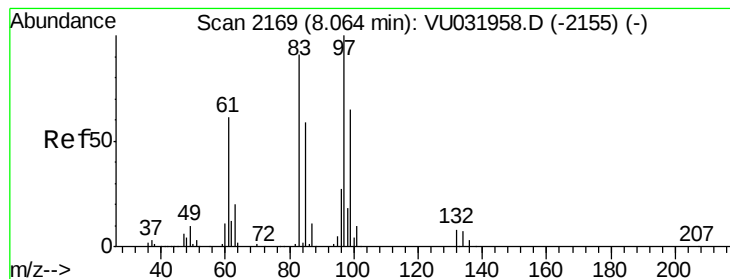
92 52.6 38.1 70.9



Abundance Ion 91.15 (90.85 to 91.85): VU031958.D (-2018) (-)

Ion 92.15 (91.85 to 92.85): VU031958.D (-2018) (-)





#45

1,1,2-Trichloroethane

Concen: 13.926 ug/L

RT: 8.04 min Scan# 2162

Delta R.T. -0.02 min

Lab File: VU031966.D

Acq: 13 May 2019 12:54

Instrument :

MSVOA_U

ClientSampleId :

DB886

Tgt Ion: 97 Resp: 445312

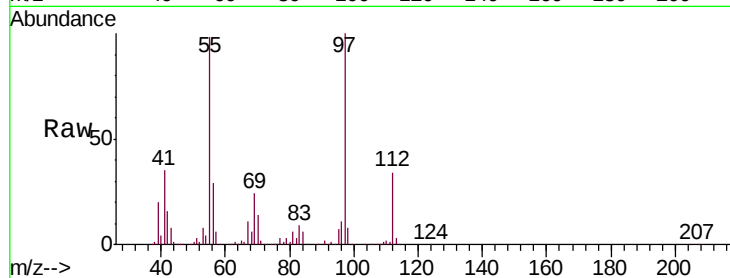
Ion Ratio Lower Upper

97 100

99 0.4 45.8 85.0#

83 9.4 64.5 119.7#

85 0.4 41.6 77.3#

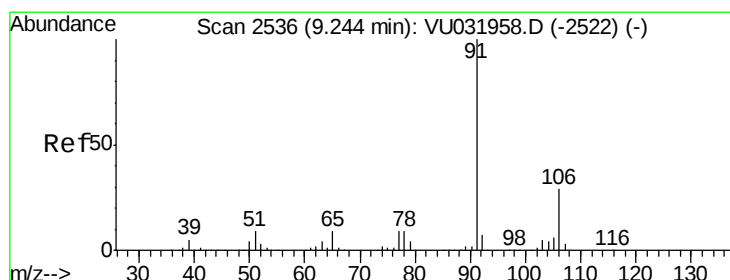
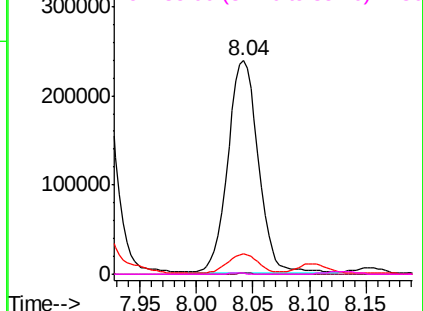
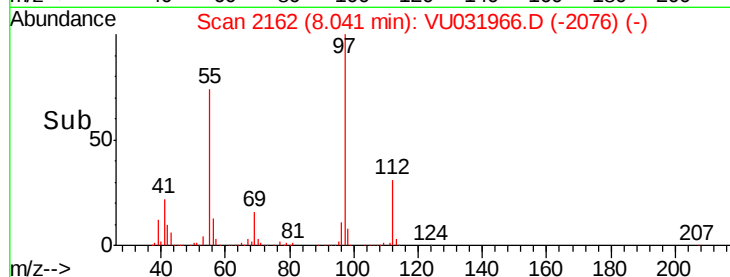


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#52

Ethylbenzene

Concen: 0.403 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031966.D

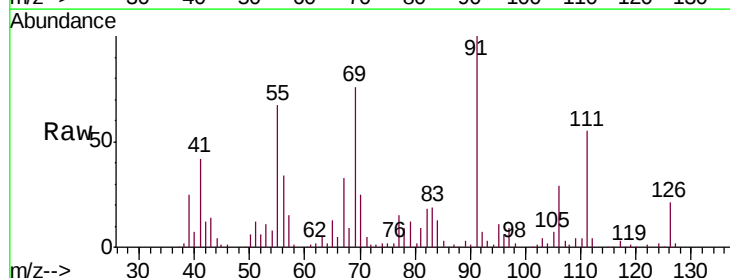
Acq: 13 May 2019 12:54

Tgt Ion: 91 Resp: 78299

Ion Ratio Lower Upper

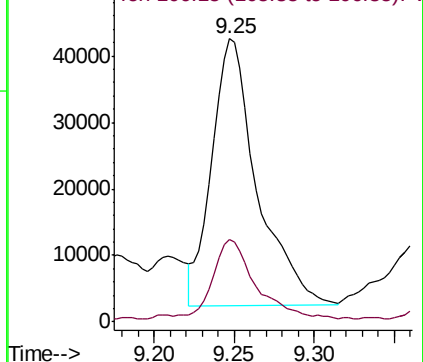
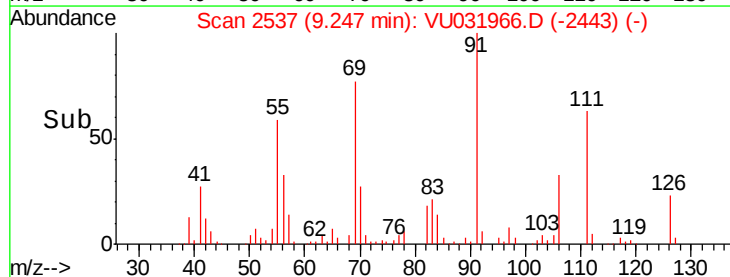
91 100

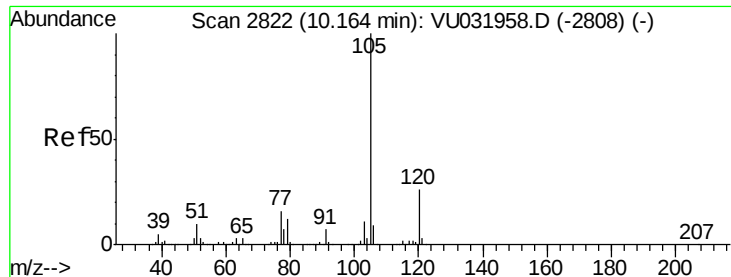
106 29.0 20.0 37.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#56

Isopropylbenzene

Concen: 19.319 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU031966.D

Acq: 13 May 2019 12:54

Instrument :

MSVOA_U

ClientSampled :

DB886

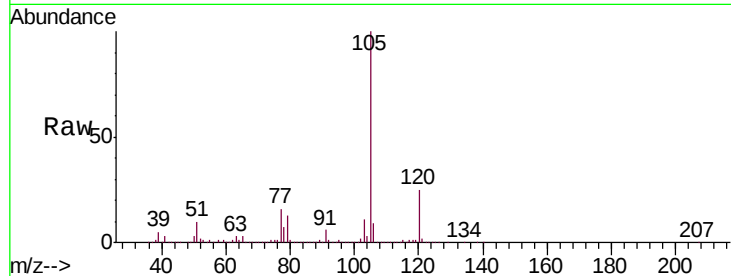
Tgt Ion:105 Resp: 3420067

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.4

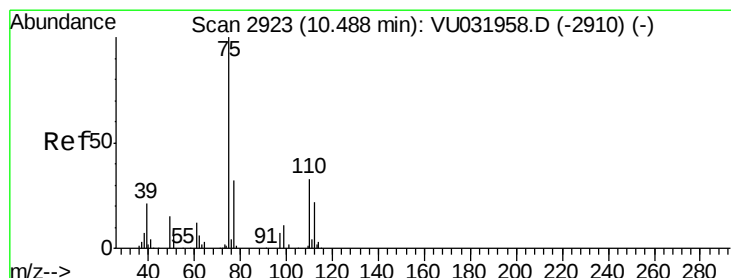
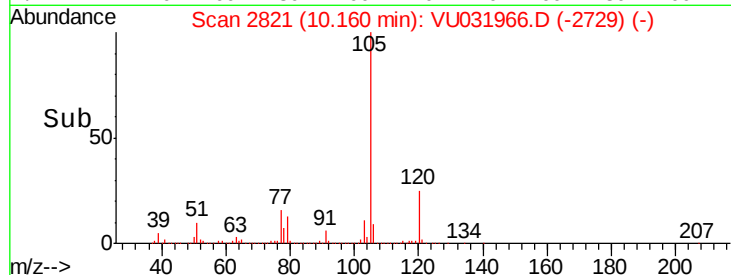
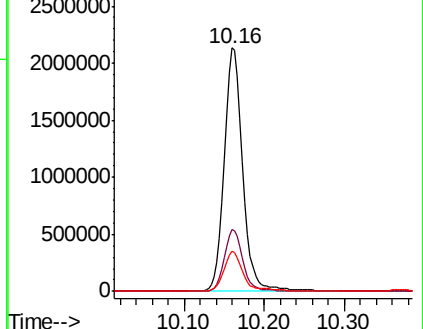
77 16.6 14.8 22.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 1.472 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.09 min

Lab File: VU031966.D

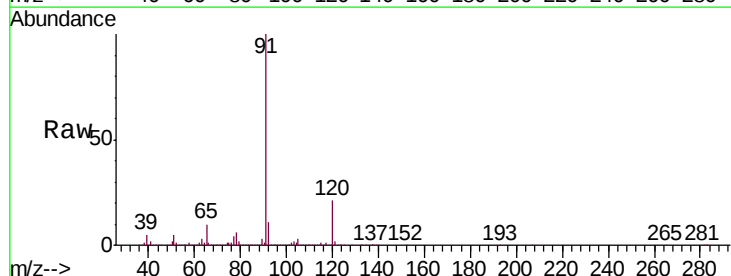
Acq: 13 May 2019 12:54

Tgt Ion: 75 Resp: 47024

Ion Ratio Lower Upper

75 100

77 670.1 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

