

Data File : VU031968.D
Acq On : 13 May 2019 13:43
Operator : JC/SP
Sample : K2739-10MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB886MSD

Quant Time: May 14 02:42:29 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	596291	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	597048	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	281901	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	116304	2.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.20%
7) Chloroethane-d5	1.67	69	120829	3.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.00%
11) 1,1-Dichloroethene-d2	2.27	63	299419	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	4.18	46	561877	35.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.82%
24) Chloroform-d	4.64	84	291345	3.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.00%
26) 1,2-Dichloroethane-d4	5.31	65	154712	3.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.20%#
32) Benzene-d6	5.33	84	567361	3.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.20%
36) 1,2-Dichloropropane-d6	6.33	67	195423	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	69.60%
41) Toluene-d8	7.56	98	541737	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	7.85	79	73093	3.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.20%
46) 2-Hexanone-d5	8.31	63	480625	48.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	183785	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	206148	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	20630	0.252	ug/L #	83
8) Chloroethane	1.72	64	9506	0.241	ug/L #	51
12) 1,1-Dichloroethene	2.28	96	199285	4.917	ug/L	74
13) Acetone	2.32	43	59632	5.503	ug/L	92
15) Methyl Acetate	2.74	43	318951	11.408	ug/L #	59
18) trans-1,2-Dichloroethene	2.97	96	10009	0.229	ug/L	82
22) cis-1,2-Dichloroethene	4.22	96	20673	0.394	ug/L	80
25) Chloroform	4.72	83	19841	0.188	ug/L	81
30) Cyclohexane	4.98	56	695588	7.762	ug/L	93
33) Benzene	5.38	78	906827	4.356	ug/L	100
34) Trichloroethene	6.18	95	226660	4.318	ug/L	92
35) Methylcyclohexane	6.41	83	1827943	24.246	ug/L	93
37) 1,2-Dichloropropane	6.41	63	17107	0.287	ug/L #	36
38) Bromodichloromethane	6.73	83	14744	0.208	ug/L #	88
40) 4-Methyl-2-pentanone	7.52	43	71253	1.777	ug/L #	50
42) Toluene	7.63	91	1021794	4.971	ug/L	95
45) 1,1,2-Trichloroethane	8.04	97	488747	13.846	ug/L #	17

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

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QLast Update : Tue May 14 02:38:02 2019
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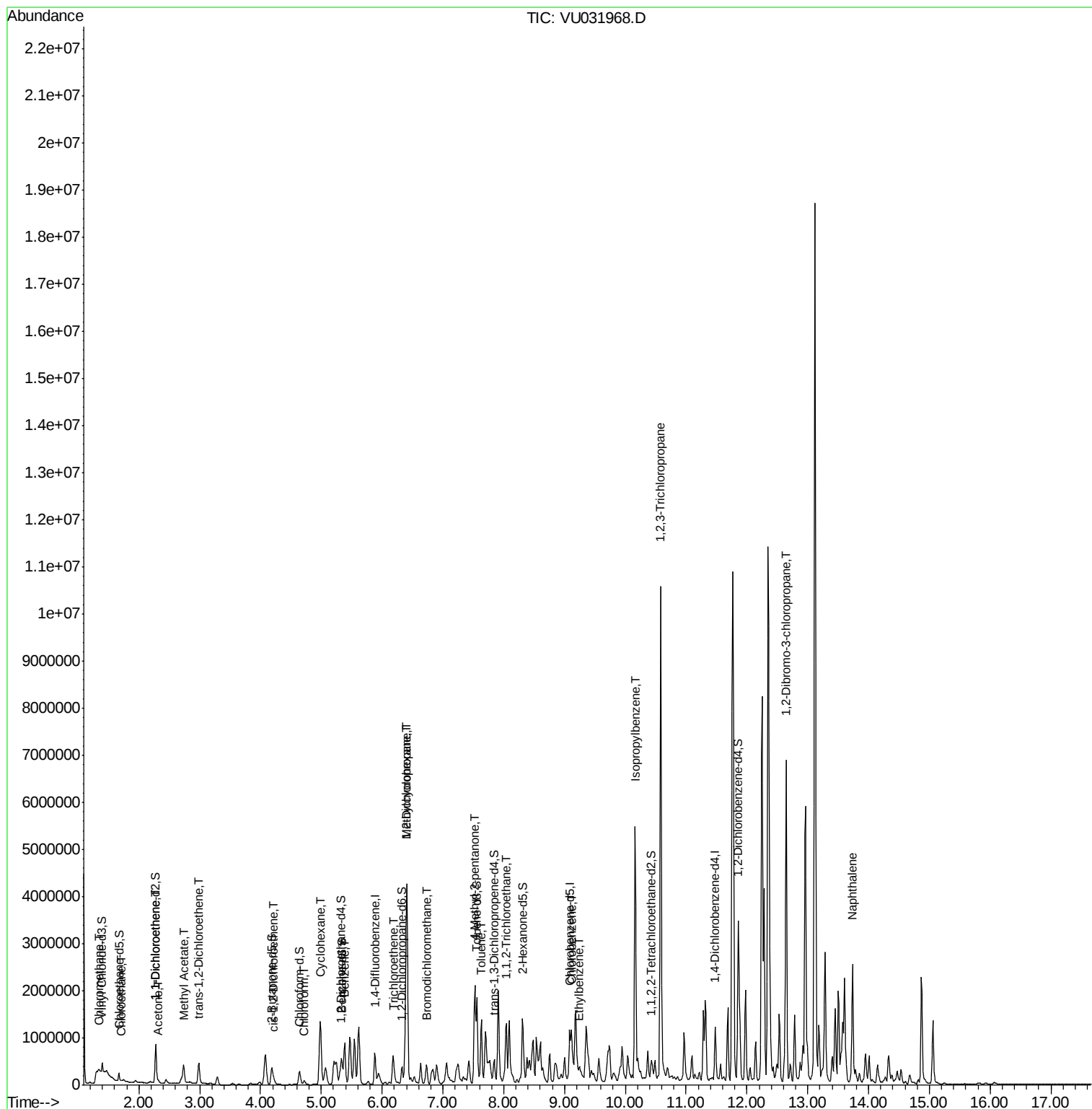
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.12	112	593181	4.855	ug/L	96
52) Ethylbenzene	9.25	91	85159	0.397	ug/L	99
56) Isopropylbenzene	10.16	105	3575038	18.294	ug/L	97
59) 1,2,3-Trichloropropane	10.58	75	46723	1.325	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.64	75	30828	3.755	ug/L #	20
69) Naphthalene	13.74	128	1875001	21.759	ug/L #	97

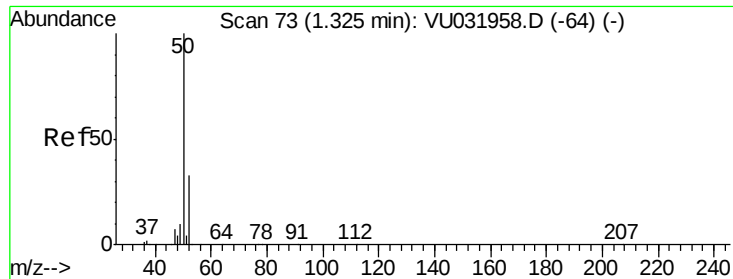
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.252 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

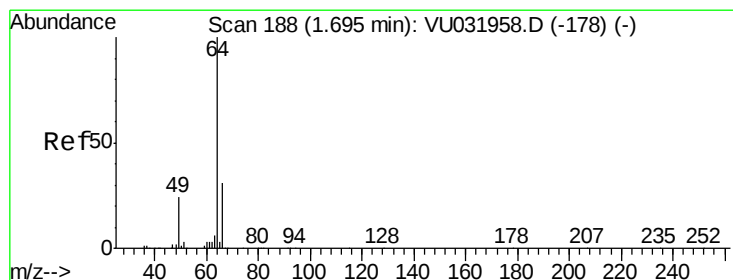
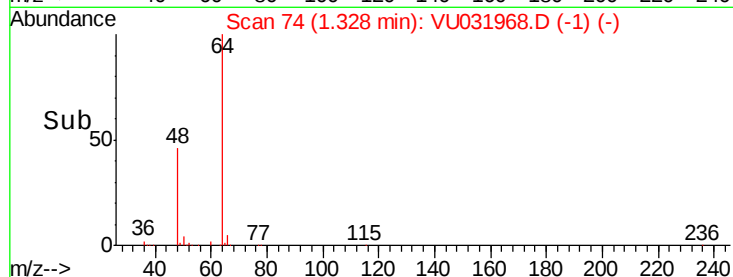
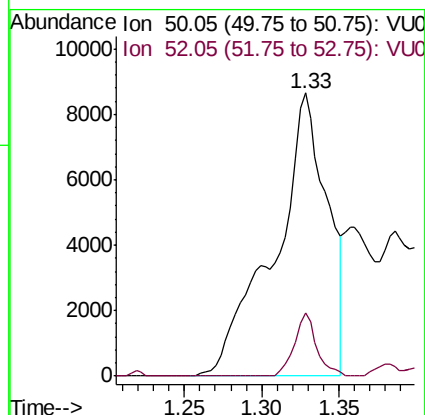
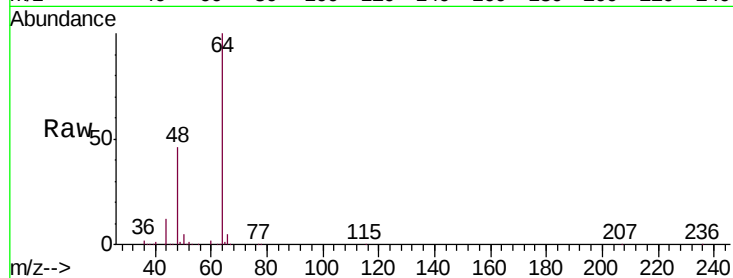
DB886MSD

Tgt Ion: 50 Resp: 20630

Ion Ratio Lower Upper

50 100

52 22.4 22.5 41.7#



#8

Chloroethane

Concen: 0.241 ug/L

RT: 1.72 min Scan# 197

Delta R.T. 0.03 min

Lab File: VU031968.D

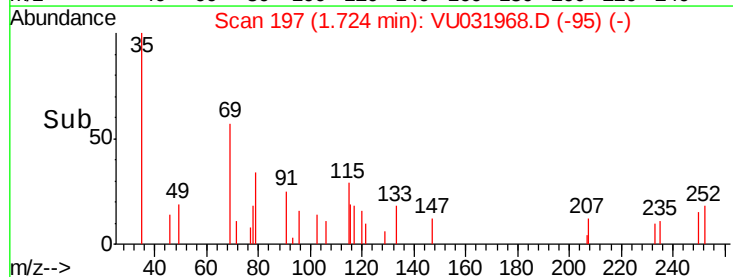
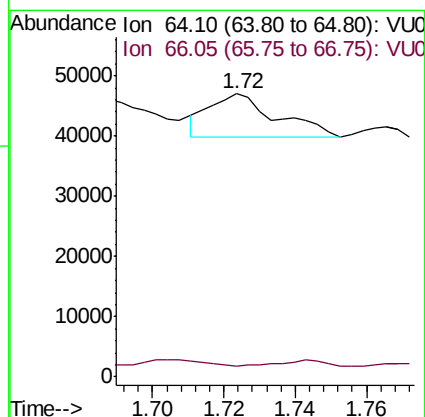
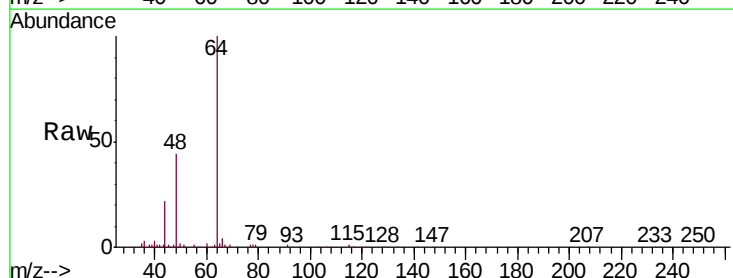
Acq: 13 May 2019 13:43

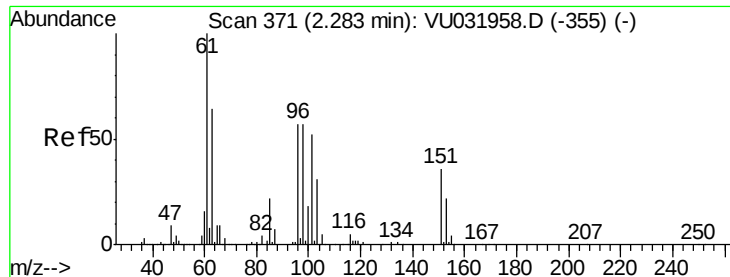
Tgt Ion: 64 Resp: 9506

Ion Ratio Lower Upper

64 100

66 4.0 21.9 40.7#





#12

1,1-Dichloroethene

Concen: 4.917 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

DB886MSD

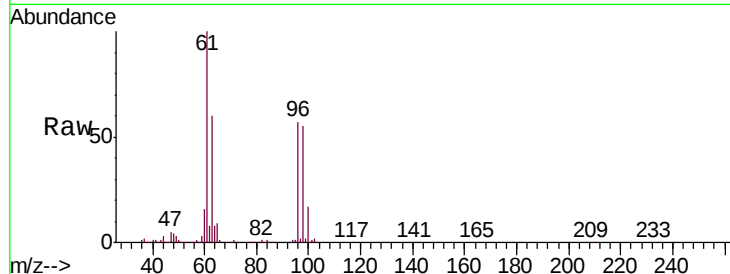
Tgt Ion: 96 Resp: 199285

Ion Ratio Lower Upper

96 100

61 176.6 149.0 276.6

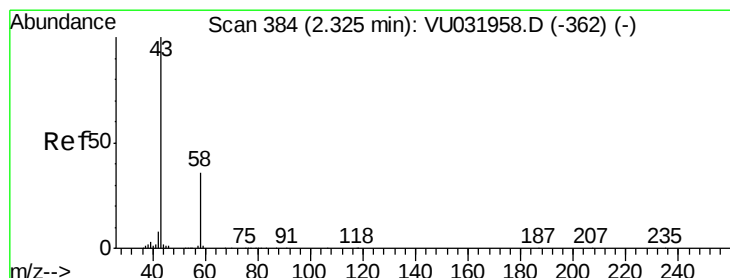
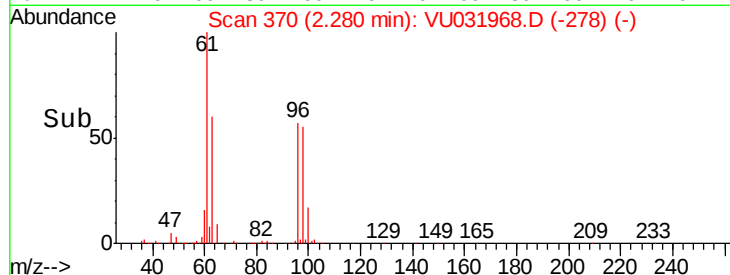
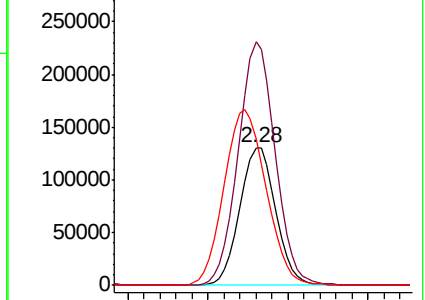
63 105.9 99.8 185.4



Abundance Ion 96.00 (95.70 to 96.70): VU031968.D (-370) (-)

Ion 61.05 (60.75 to 61.75): VU031968.D (-370) (-)

Ion 63.00 (62.70 to 63.70): VU031968.D (-370) (-)



#13

Acetone

Concen: 5.503 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU031968.D

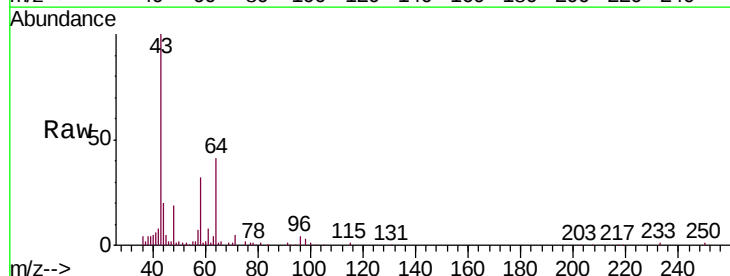
Acq: 13 May 2019 13:43

Tgt Ion: 43 Resp: 59632

Ion Ratio Lower Upper

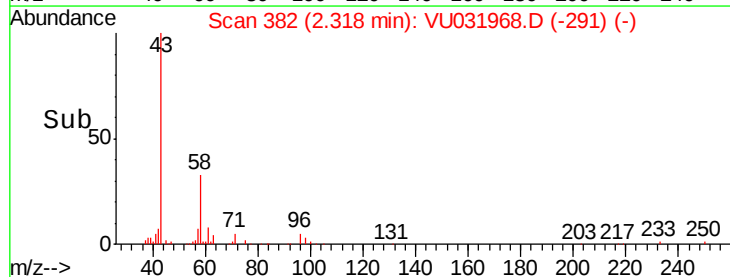
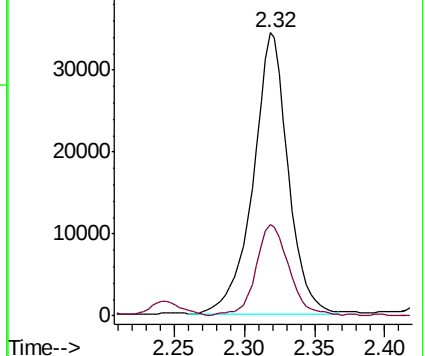
43 100

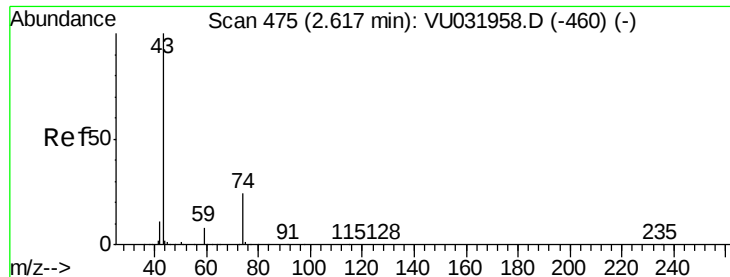
58 31.0 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU031968.D (-382) (-)

Ion 58.05 (57.75 to 58.75): VU031968.D (-382) (-)





#15

Methyl Acetate

Concen: 11.408 ug/L

RT: 2.74 min Scan# 512

Delta R.T. 0.12 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

Instrument :

MSVOA_U

ClientSampled :

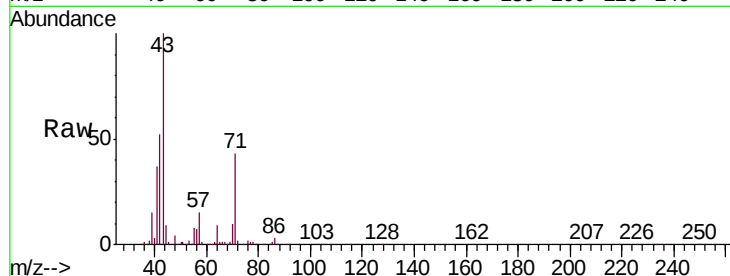
DB886MSD

Tgt Ion: 43 Resp: 318951

Ion Ratio Lower Upper

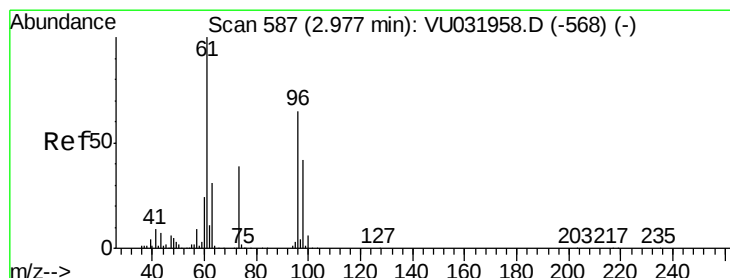
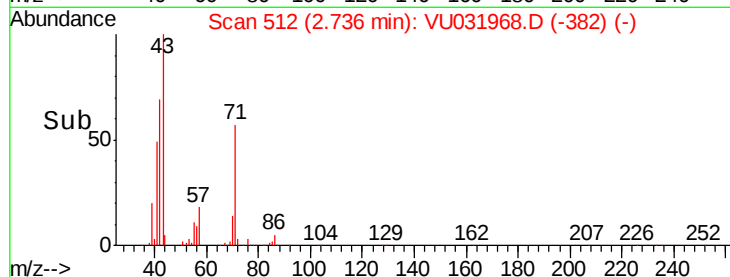
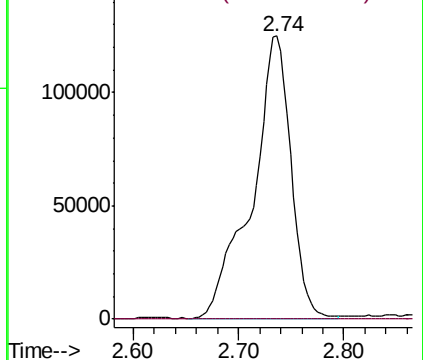
43 100

74 0.0 14.7 22.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.229 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

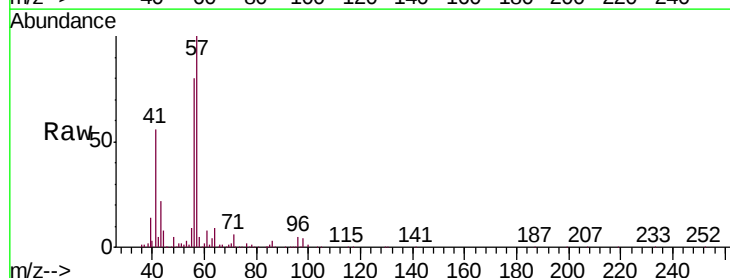
Tgt Ion: 96 Resp: 10009

Ion Ratio Lower Upper

96 100

61 154.5 130.9 243.1

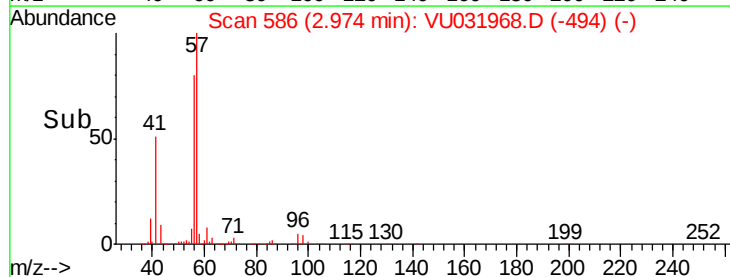
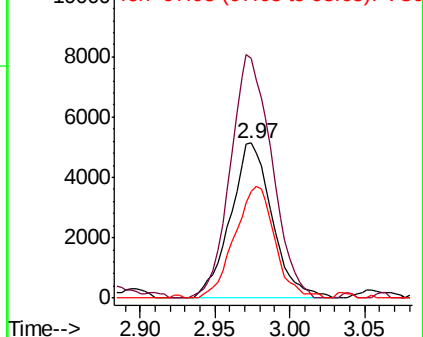
98 69.0 46.2 85.8

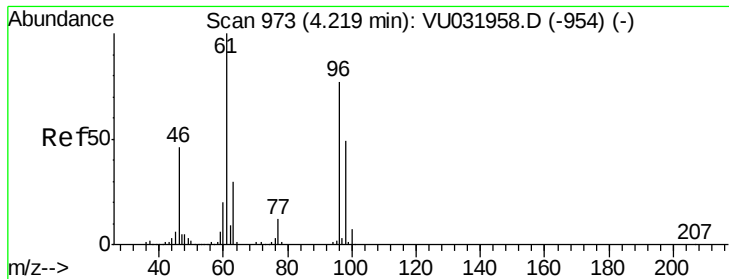


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



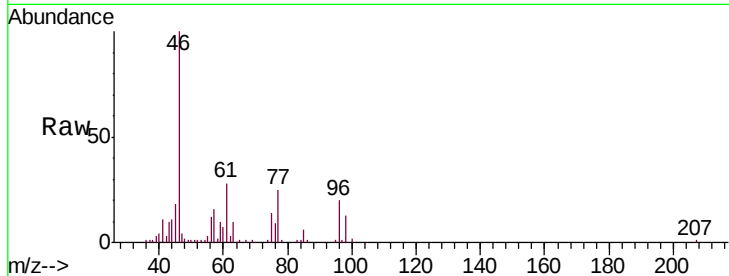


#22

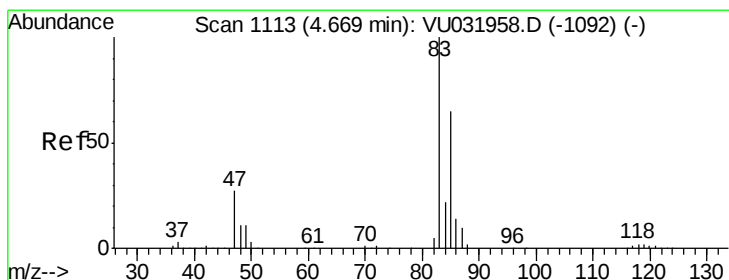
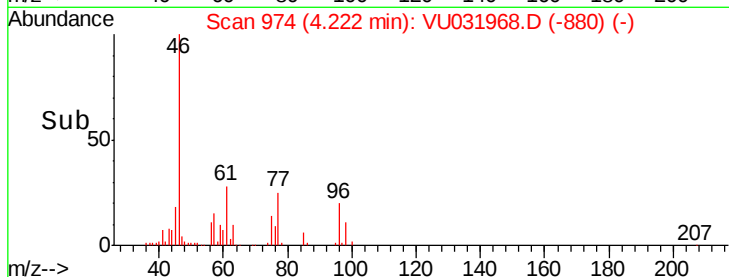
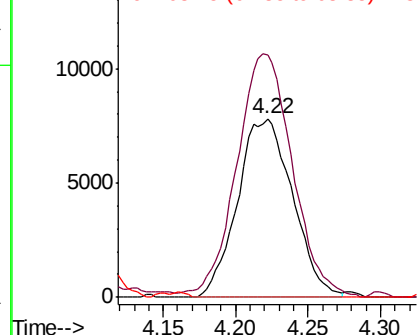
cis-1,2-Dichloroethene
 Concen: 0.394 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031968.D
 Acq: 13 May 2019 13:43

Instrument :
 MSVOA_U
 ClientSampleId :
 DB886MSD

Tgt Ion: 96 Resp: 20673
 Ion Ratio Lower Upper
 96 100
 61 135.9 113.3 210.5
 68 0.0 0.0 0.0



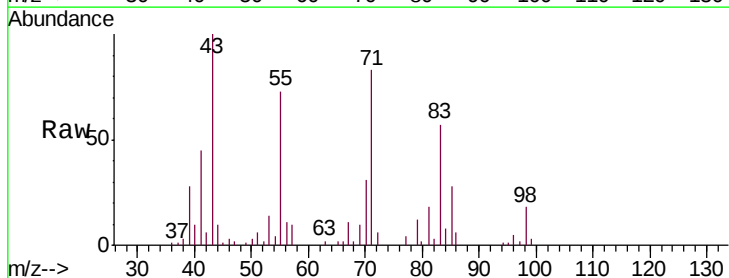
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



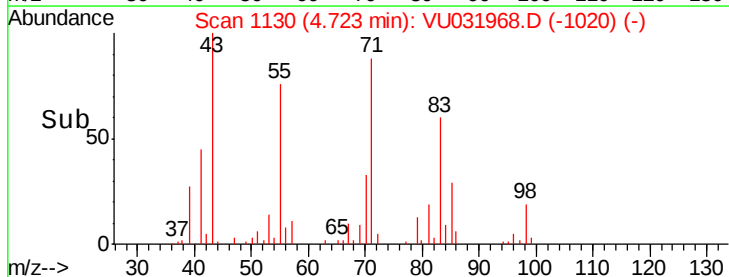
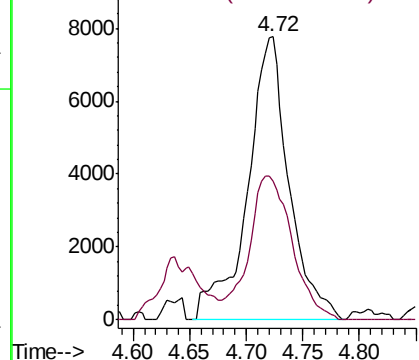
#25

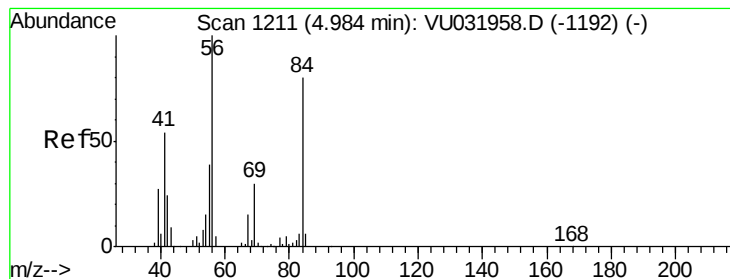
Chloroform
 Concen: 0.188 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.05 min
 Lab File: VU031968.D
 Acq: 13 May 2019 13:43

Tgt Ion: 83 Resp: 19841
 Ion Ratio Lower Upper
 83 100
 85 48.9 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#30

Cyclohexane

Concen: 7.762 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

DB886MSD

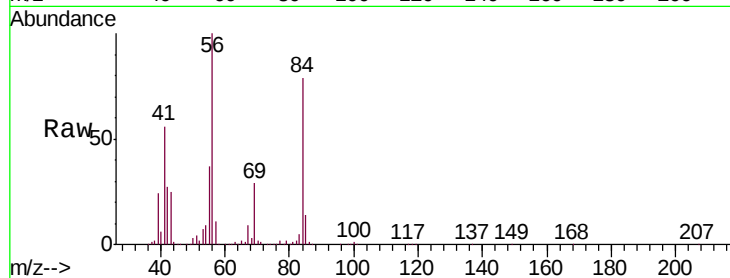
Tgt Ion: 56 Resp: 695588

Ion Ratio Lower Upper

56 100

69 29.3 21.8 32.8

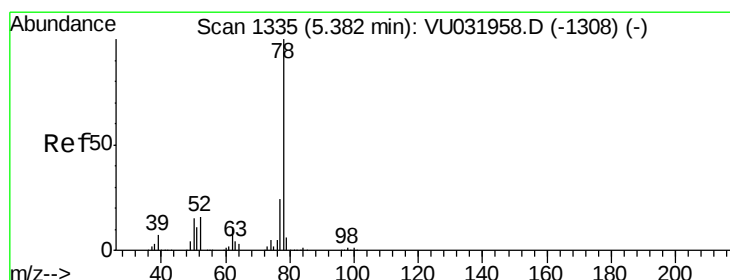
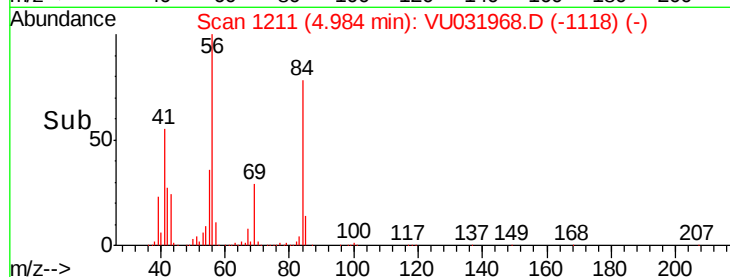
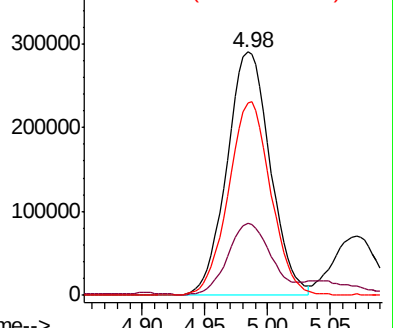
84 78.0 56.8 85.2



Abundance Ion 56.10 (55.80 to 56.80): VU031958.D (-1192) (-)

Ion 69.15 (68.85 to 69.85): VU031958.D (-1192) (-)

Ion 84.15 (83.85 to 84.85): VU031958.D (-1192) (-)



#33

Benzene

Concen: 4.356 ug/L

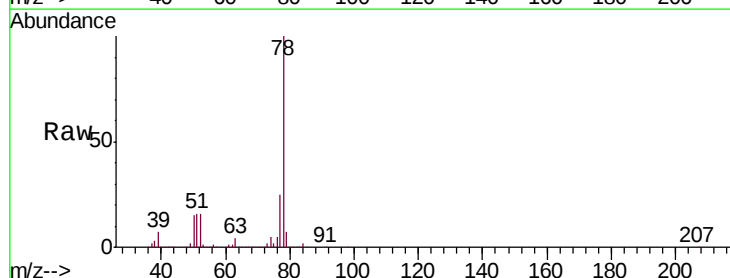
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

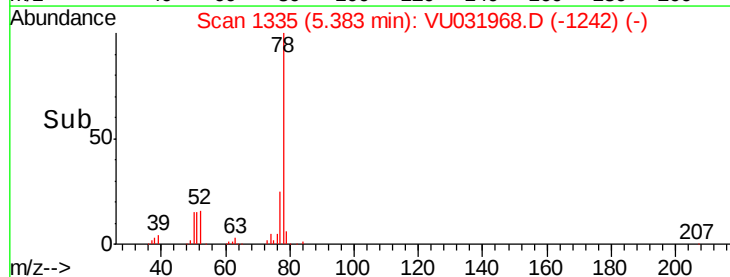
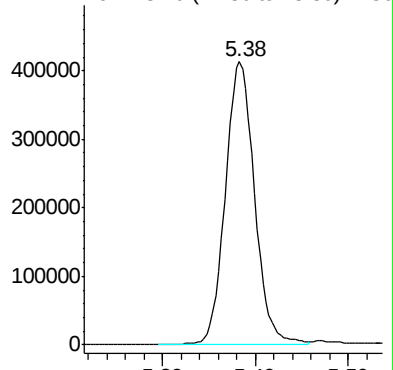
Lab File: VU031968.D

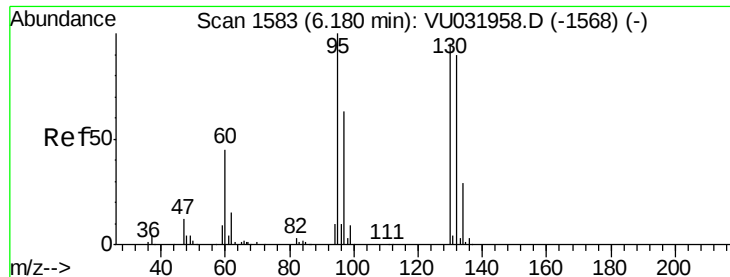
Acq: 13 May 2019 13:43

Tgt Ion: 78 Resp: 906827



Abundance Ion 78.10 (77.80 to 78.80): VU031958.D (-1308) (-)





#34

Trichloroethene

Concen: 4.318 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

DB886MSD

Tgt Ion: 95 Resp: 226660

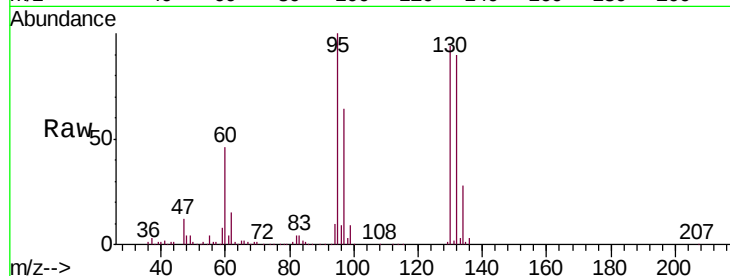
Ion Ratio Lower Upper

95 100

97 63.8 45.8 85.2

132 90.0 56.0 104.0

130 94.1 60.4 112.2

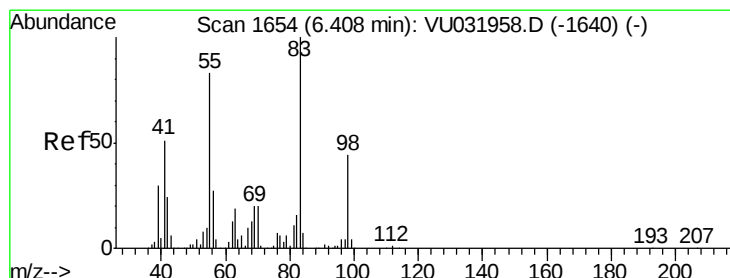
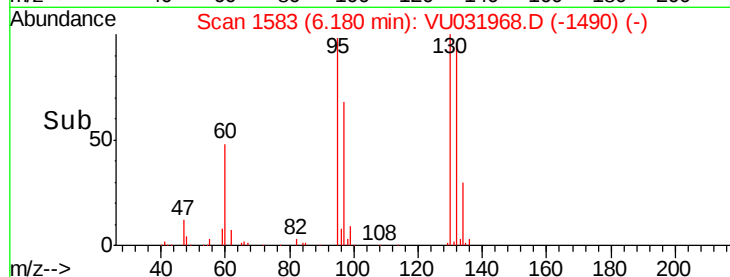
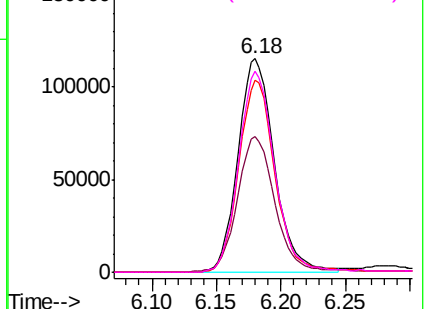


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 24.246 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

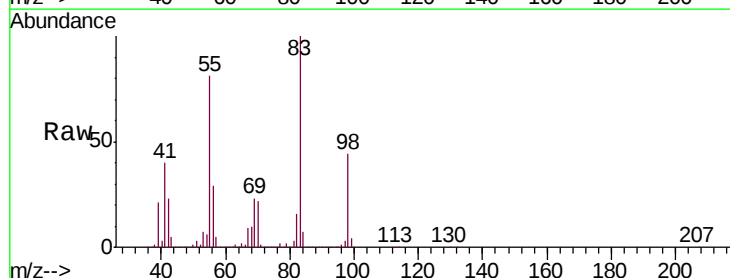
Tgt Ion: 83 Resp: 1827943

Ion Ratio Lower Upper

83 100

55 91.0 79.2 118.8

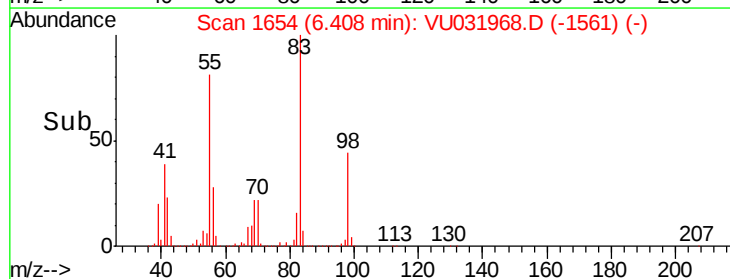
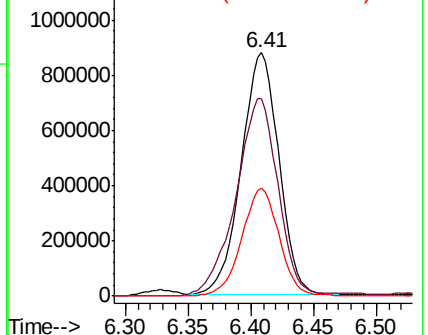
98 44.5 34.0 51.0

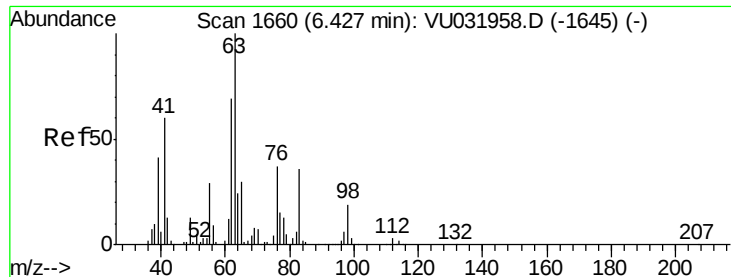


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.287 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.02 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

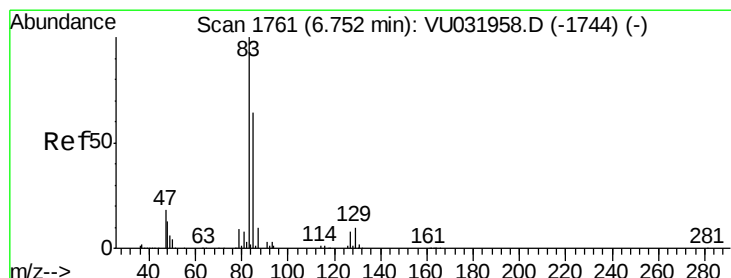
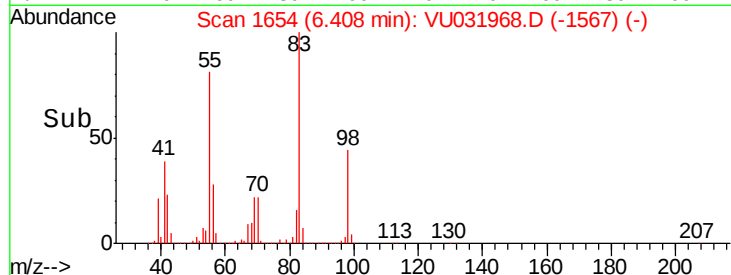
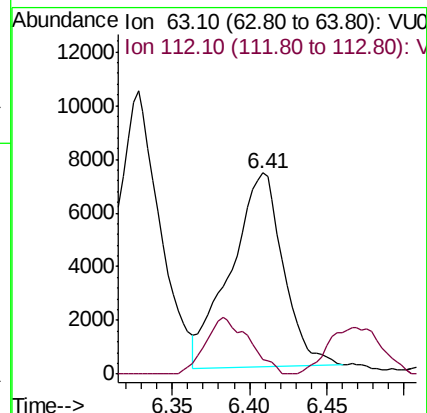
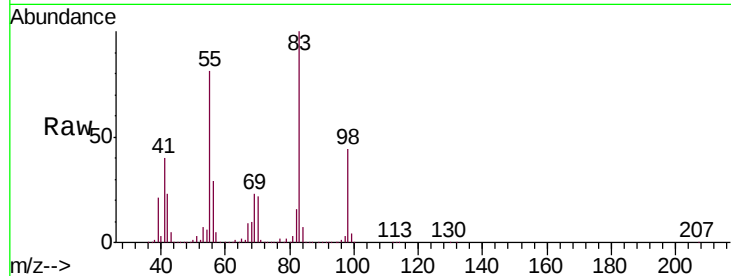
DB886MSD

Tgt Ion: 63 Resp: 17107

Ion Ratio Lower Upper

63 100

112 24.2 2.5 3.7#



#38

Bromodichloromethane

Concen: 0.208 ug/L

RT: 6.73 min Scan# 1755

Delta R.T. -0.02 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

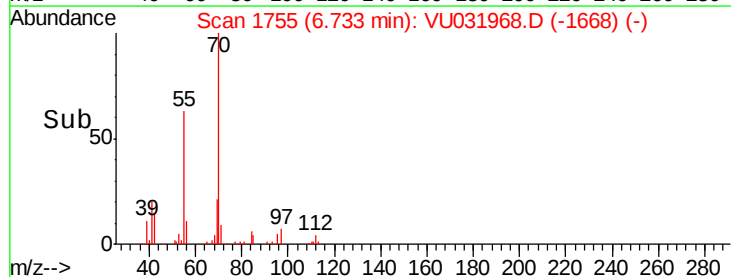
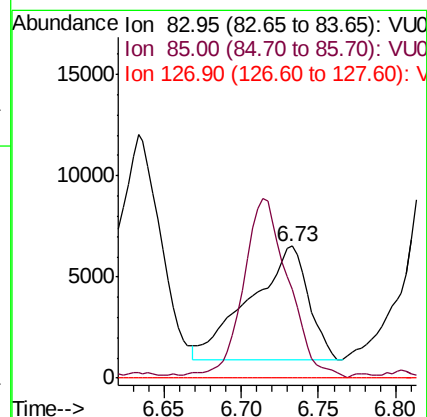
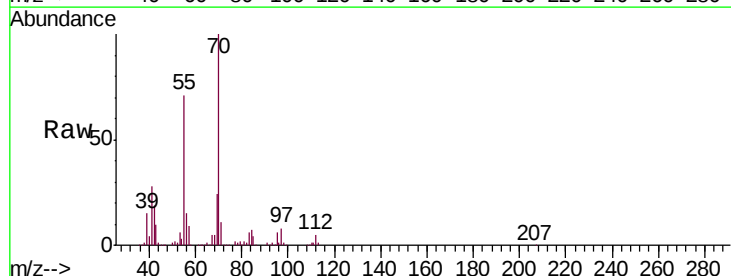
Tgt Ion: 83 Resp: 14744

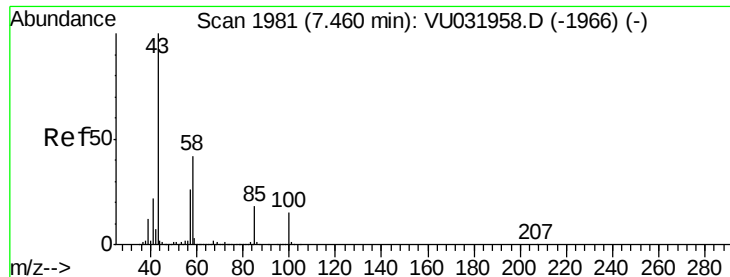
Ion Ratio Lower Upper

83 100

85 66.8 41.3 76.7

127 0.0 5.8 8.6#

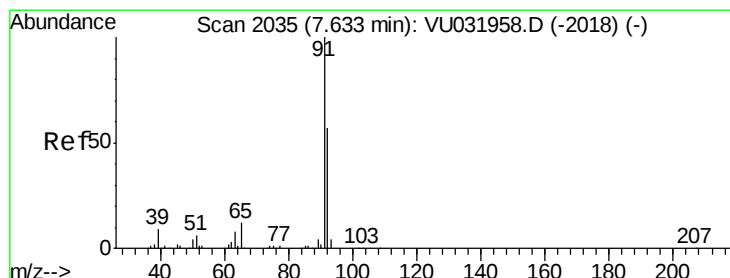
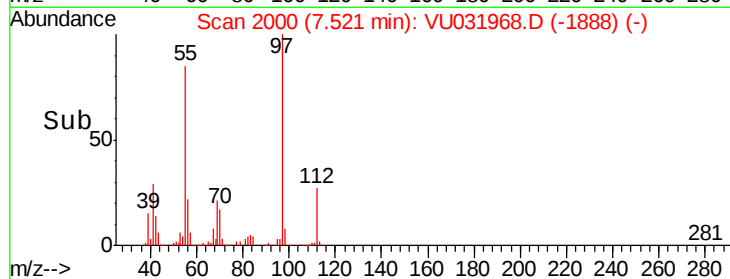
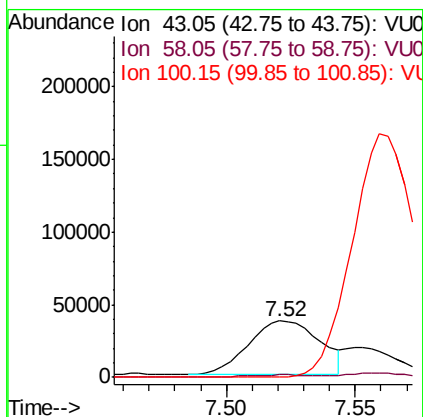
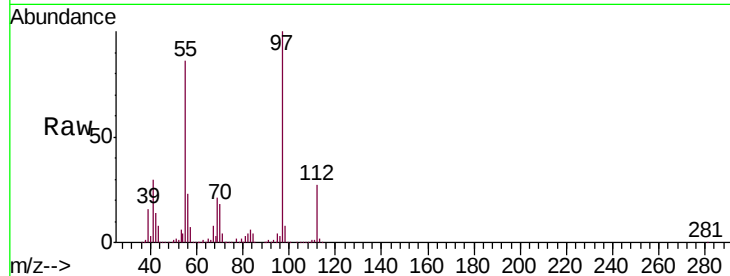




#40
 4-Methyl-2-pentanone
 Concen: 1.777 ug/L
 RT: 7.52 min Scan# 2000
 Delta R.T. 0.06 min
 Lab File: VU031968.D
 Acq: 13 May 2019 13:43

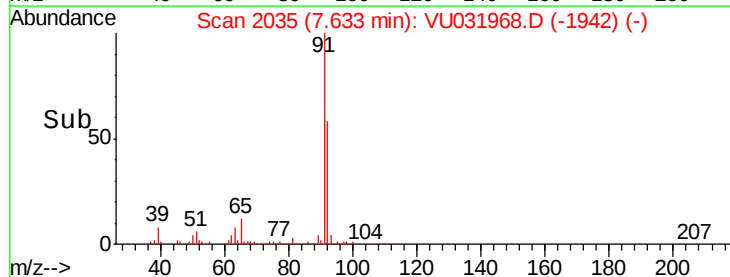
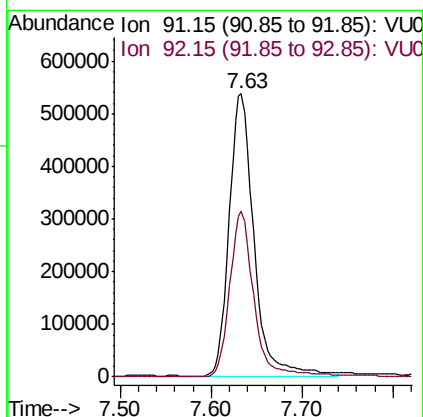
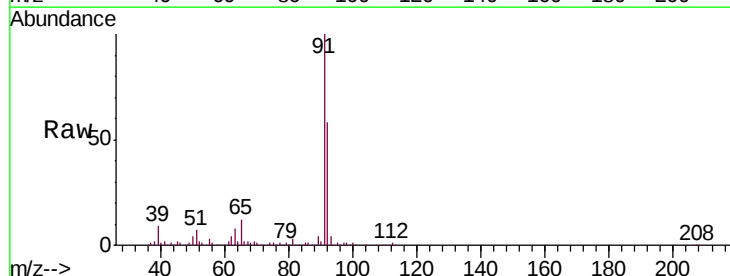
Instrument :
 MSVOA_U
 ClientSampleId :
 DB886MSD

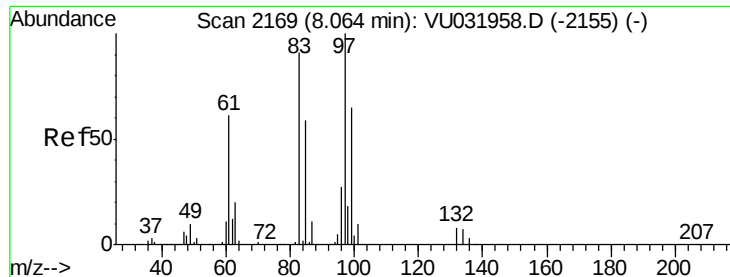
Tgt Ion: 43 Resp: 71253
 Ion Ratio Lower Upper
 43 100
 58 2.4 28.0 42.0#
 100 0.0 8.2 12.4#



#42
 Toluene
 Concen: 4.971 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU031968.D
 Acq: 13 May 2019 13:43

Tgt Ion: 91 Resp: 1021794
 Ion Ratio Lower Upper
 91 100
 92 58.4 38.1 70.9

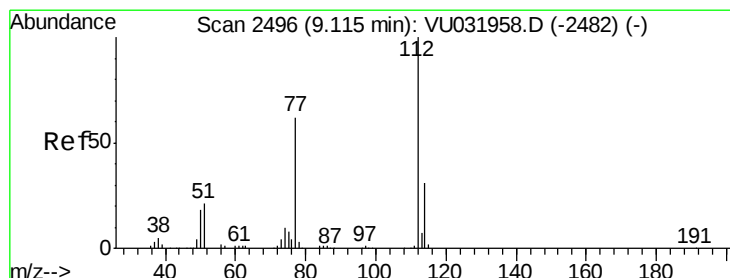
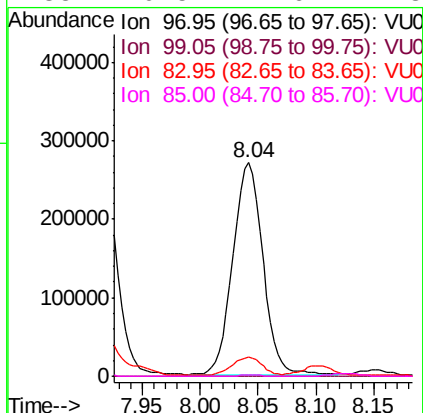
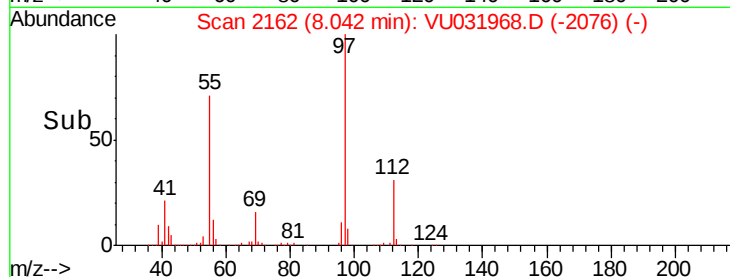
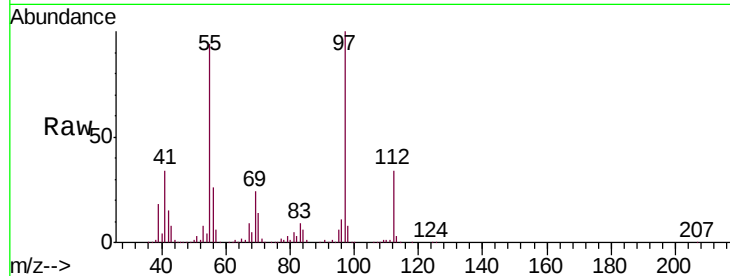




#45
 1,1,2-Trichloroethane
 Concen: 13.846 ug/L
 RT: 8.04 min Scan# 2162
 Delta R.T. -0.02 min
 Lab File: VU031968.D
 Acq: 13 May 2019 13:43

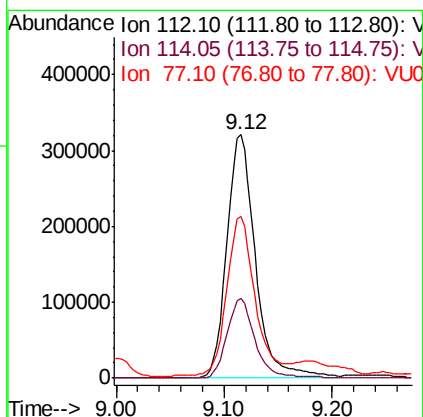
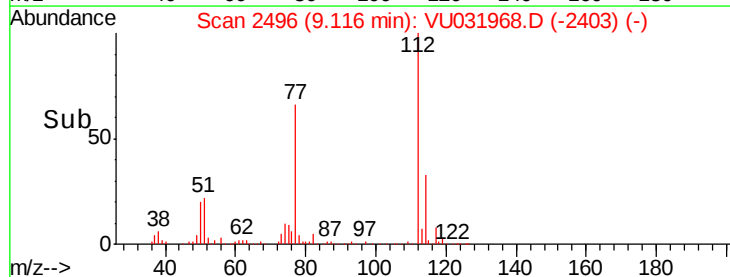
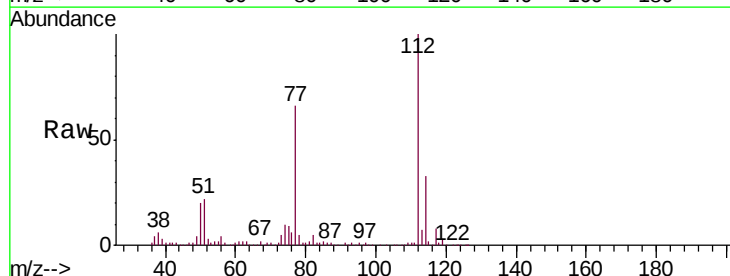
Instrument :
 MSVOA_U
 ClientSampleId :
 DB886MSD

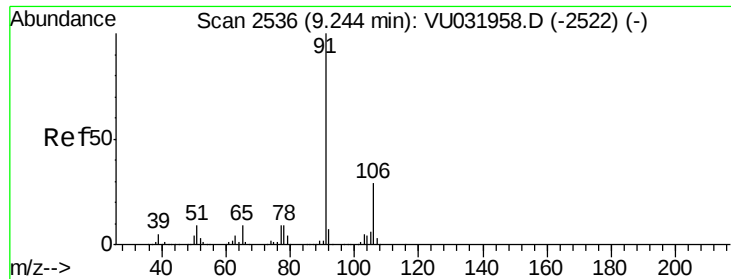
Tgt Ion: 97 Resp: 488747
 Ion Ratio Lower Upper
 97 100
 99 0.2 45.8 85.0#
 83 8.9 64.5 119.7#
 85 0.5 41.6 77.3#



#51
 Chlorobenzene
 Concen: 4.855 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031968.D
 Acq: 13 May 2019 13:43

Tgt Ion: 112 Resp: 593181
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.5 41.7
 77 66.3 56.9 85.3





#52

Ethylbenzene

Concen: 0.397 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

Instrument :

MSVOA_U

ClientSampled :

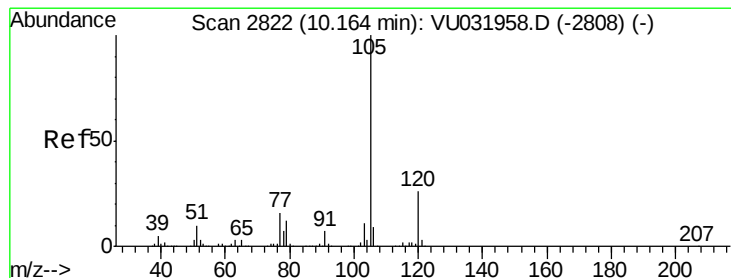
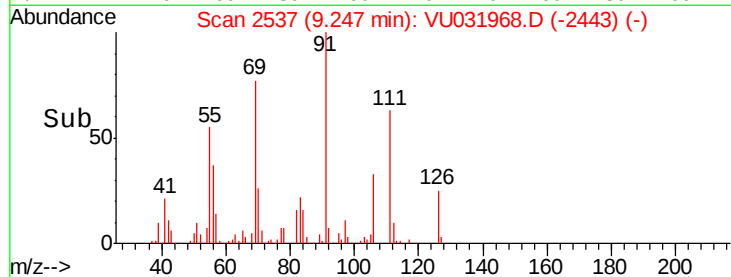
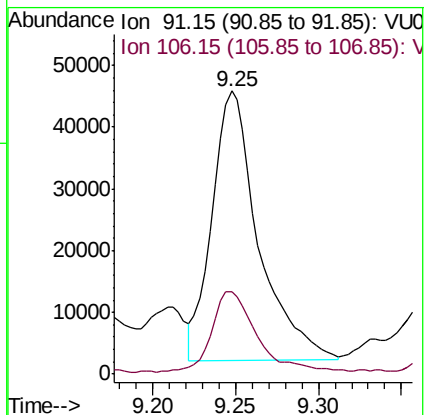
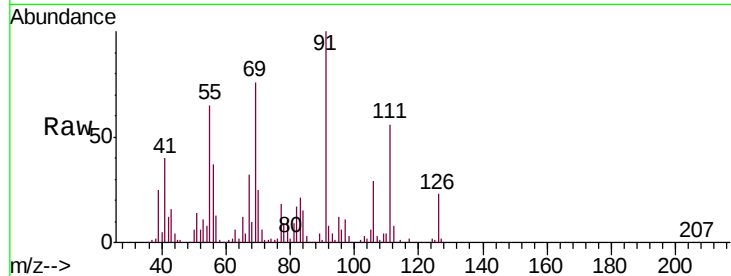
DB886MSD

Tgt Ion: 91 Resp: 85159

Ion Ratio Lower Upper

91 100

106 29.1 20.0 37.2



#56

Isopropylbenzene

Concen: 18.294 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

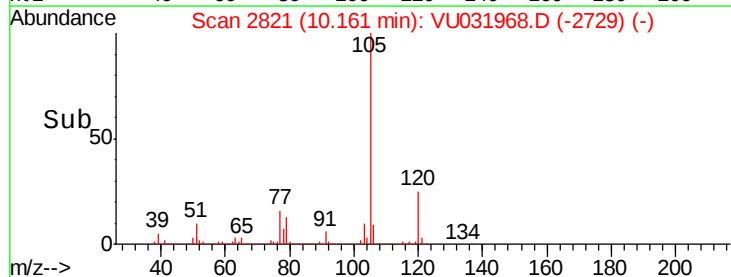
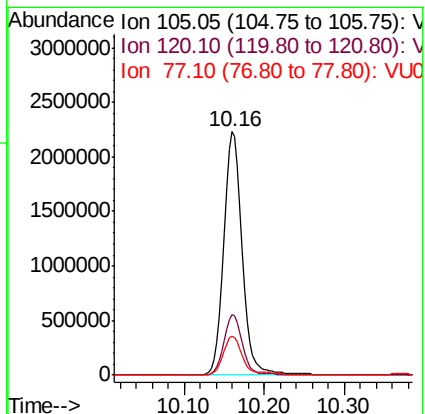
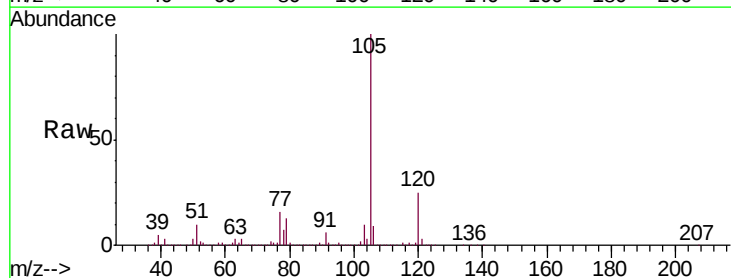
Tgt Ion: 105 Resp: 3575038

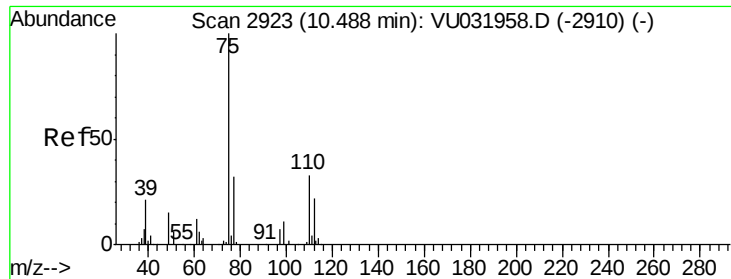
Ion Ratio Lower Upper

105 100

120 25.1 20.2 30.4

77 15.7 14.8 22.2





#59

1,2,3-Trichloropropane

Concen: 1.325 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.09 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

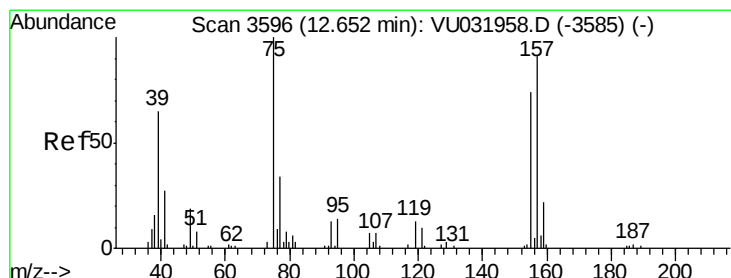
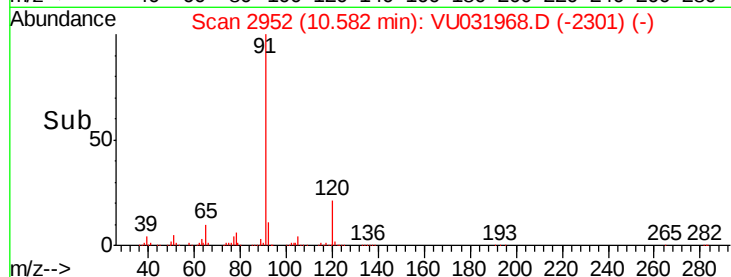
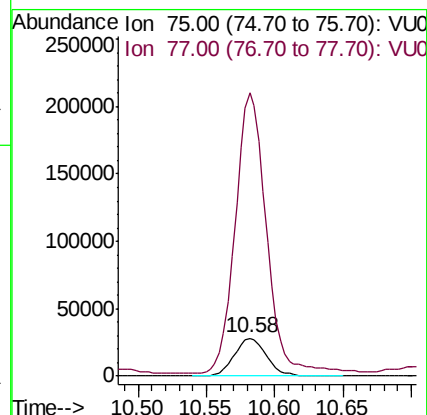
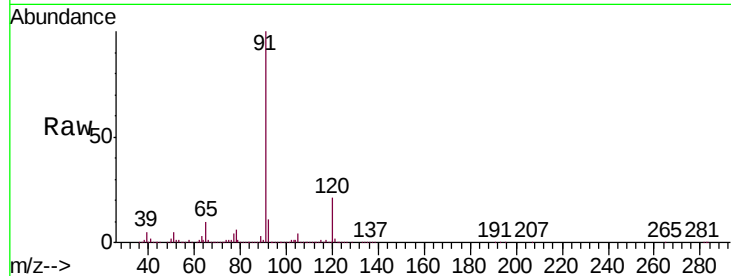
DB886MSD

Tgt Ion: 75 Resp: 46723

Ion Ratio Lower Upper

75 100

77 706.4 26.3 39.5#



#66

1,2-Dibromo-3-chloropropane

Concen: 3.755 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. -0.01 min

Lab File: VU031968.D

Acq: 13 May 2019 13:43

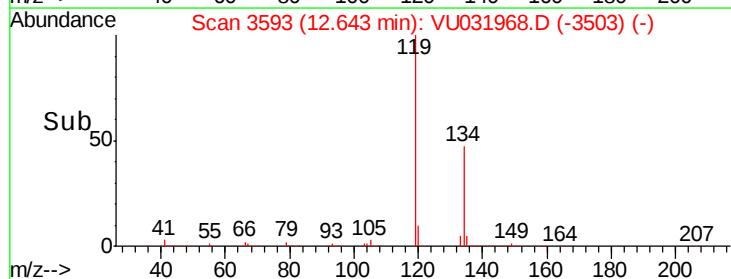
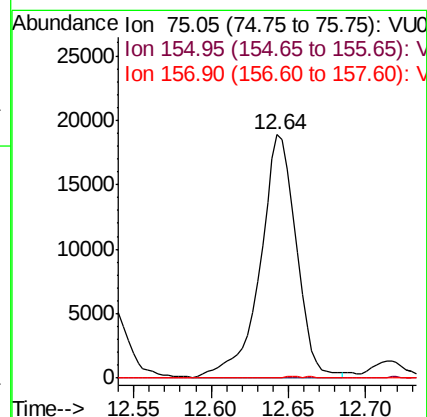
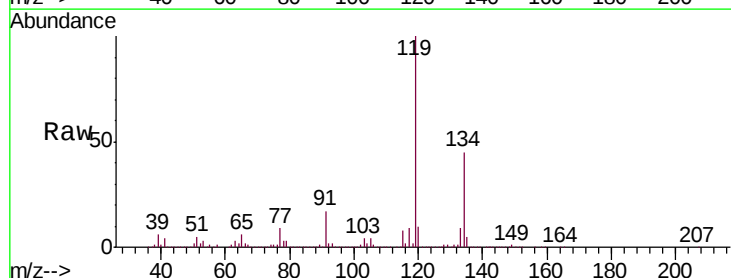
Tgt Ion: 75 Resp: 30828

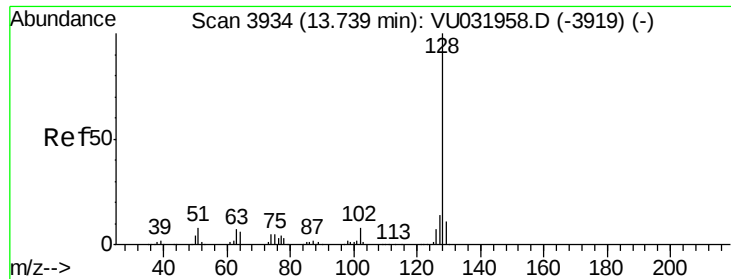
Ion Ratio Lower Upper

75 100

155 0.0 42.2 63.2#

157 0.0 54.9 82.3#





#69

Naphthalene

Concen: 21.759 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU031968.D

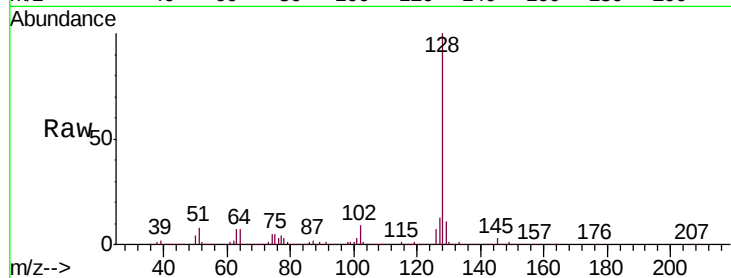
Acq: 13 May 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

DB886MSD



Tgt Ion:128 Resp: 1875001

Ion Ratio Lower Upper

128 100

129 12.2 8.0 12.0#

127 12.9 10.7 16.1

