

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
 Data File : VU031256.D
 Acq On : 17 Apr 2019 13:43
 Operator : JC/SP
 Sample : K2402-06 5X
 Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHH8

Quant Time: Apr 18 04:54:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 04:50:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	518421	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	524836	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	274528	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	174989	36.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.30%
7) Chloroethane-d5	1.68	69	144625	34.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.78%#
11) 1,1-Dichloroethene-d2	2.26	63	260848	27.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.16%#
21) 2-Butanone-d5	4.21	46	273623	78.69	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.69%
24) Chloroform-d	4.64	84	293417	36.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.66%
26) 1,2-Dichloroethane-d4	5.31	65	187093	38.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.28%
32) Benzene-d6	5.34	84	582831	35.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.26%
36) 1,2-Dichloropropane-d6	6.32	67	196619	36.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	73.02%
41) Toluene-d8	7.56	98	534891	36.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.28%#
43) trans-1,3-Dichloropropene-	7.85	79	90605	35.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.40%
47) 2-Hexanone-d5	8.32	63	184027	72.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	279535	37.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	74.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	229224	36.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.82%#

Target Compounds

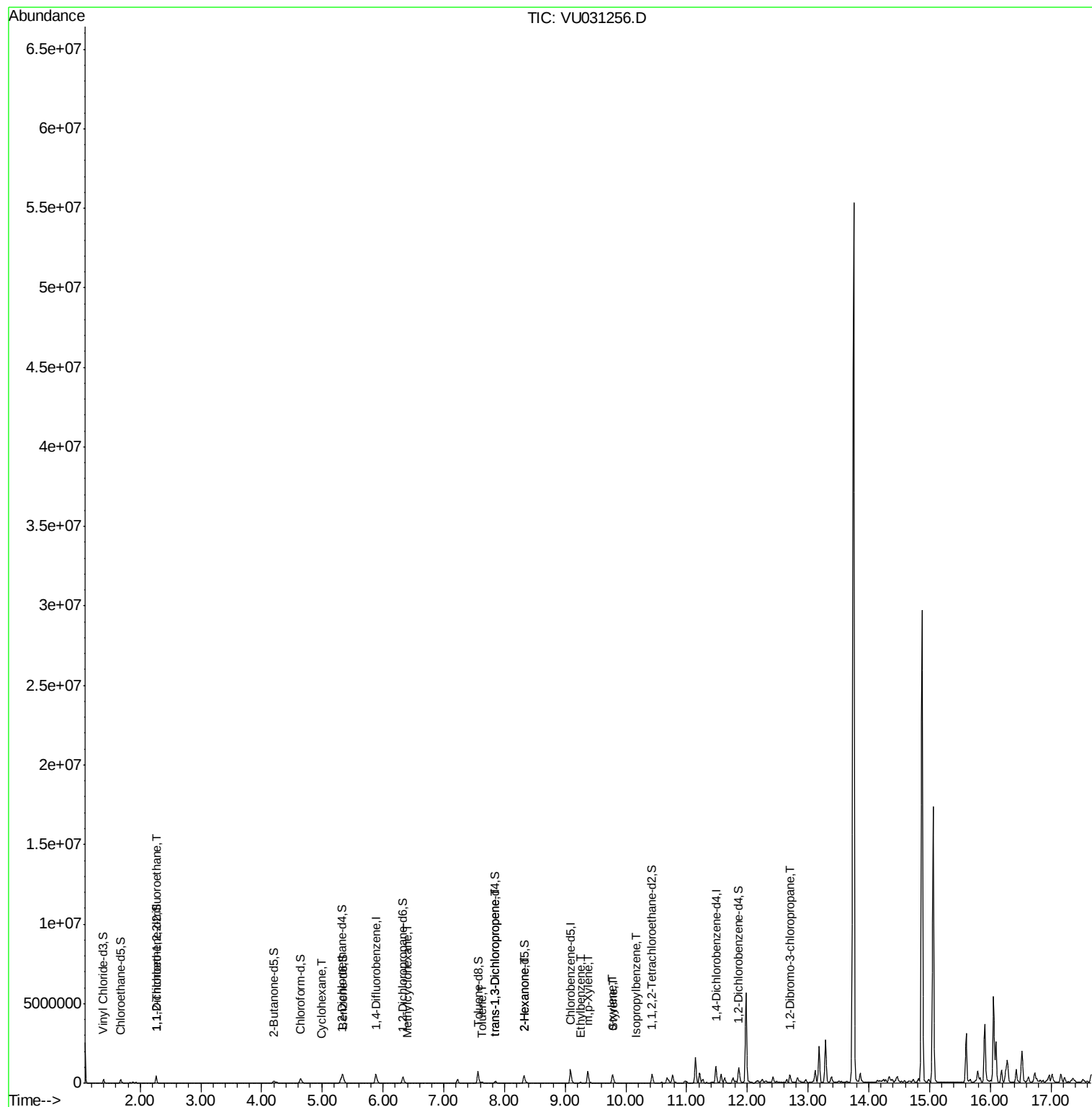
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2486	0.602	ug/L #	19
29) Cyclohexane	4.98	56	4769	0.646	ug/L #	61
35) Methylcyclohexane	6.41	83	7691	1.170	ug/L	95
42) Toluene	7.64	91	15974	0.910	ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	3841	0.631	ug/L	98
48) 2-Hexanone	8.32	43	26179	4.990	ug/L #	67
52) Ethylbenzene	9.25	91	37822	1.979	ug/L	93
53) m,p-Xylene	9.37	106	234326	34.737	ug/L	96
54) o-xylene	9.78	106	130487	19.101	ug/L	97
55) Styrene	9.79	104	89514	7.763	ug/L	94
56) Isopropylbenzene	10.17	105	9187	0.525	ug/L #	94
66) 1,2-Dibromo-3-chloropropan	12.71	75	3843	2.111	ug/L #	5

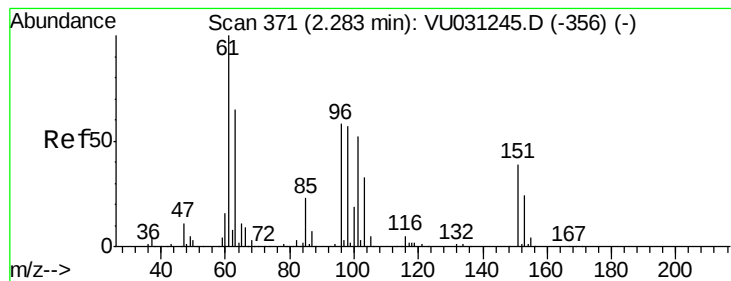
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.602 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031256.D

Acq: 17 Apr 2019 13:43

Instrument :

MSVOA_U

ClientSampled :

GAHH8

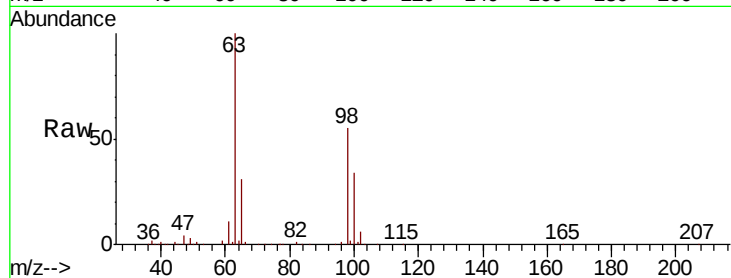
Tgt Ion: 101 Resp: 2486

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.0#

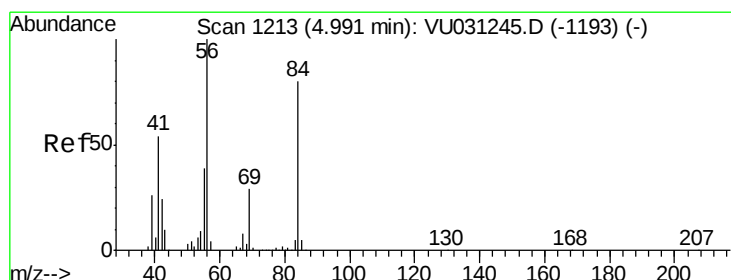
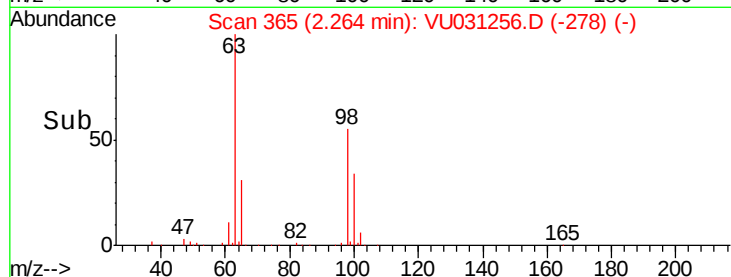
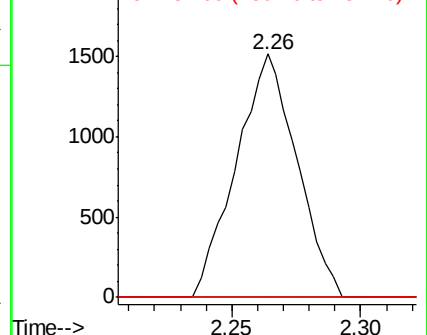
151 0.0 59.8 89.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#29

Cyclohexane

Concen: 0.646 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VU031256.D

Acq: 17 Apr 2019 13:43

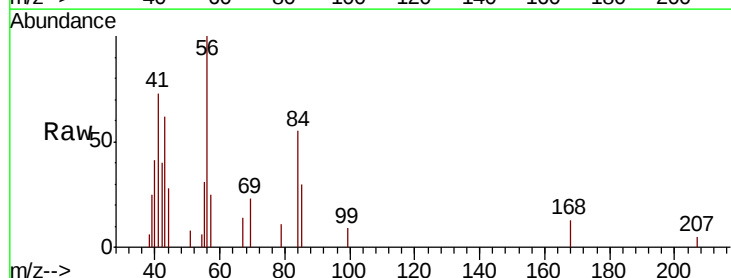
Tgt Ion: 56 Resp: 4769

Ion Ratio Lower Upper

56 100

69 25.7 23.0 34.6

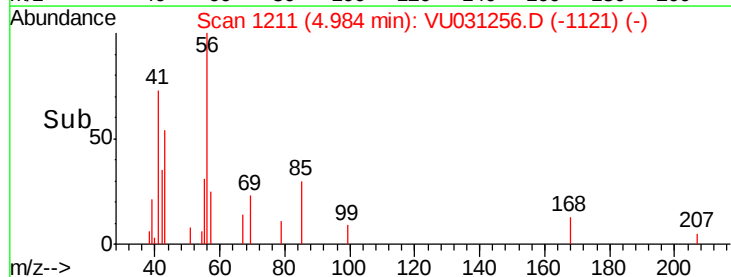
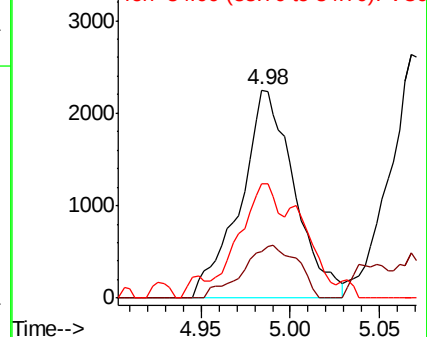
84 32.3 61.8 92.6#

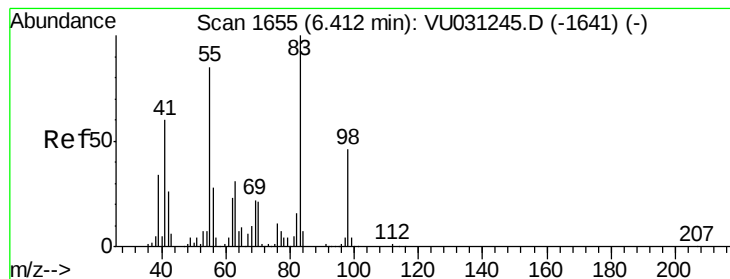


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#35

Methylcyclohexane

Concen: 1.170 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VU031256.D

Acq: 17 Apr 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

GAHH8

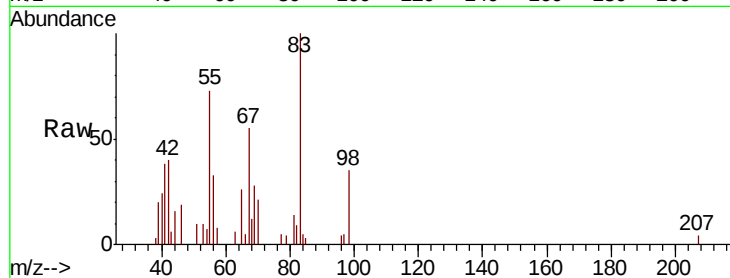
Tgt Ion: 83 Resp: 7691

Ion Ratio Lower Upper

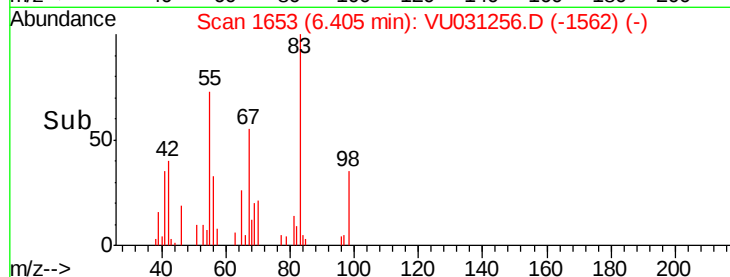
83 100

55 86.0 67.0 100.4

98 40.7 36.9 55.3



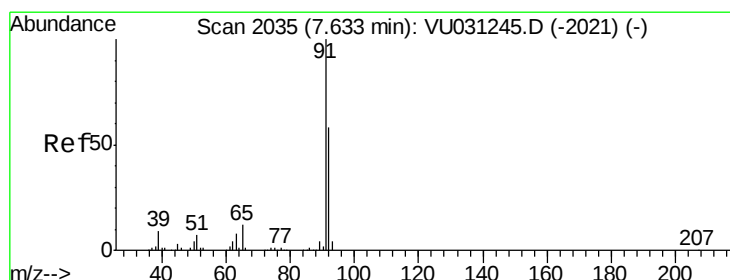
Abundance Ion 83.00 (82.70 to 83.70): VU031245.D (-1641) (-)



Ion 55.00 (54.70 to 55.70): VU031256.D (-1562) (-)

Ion 98.00 (97.70 to 98.70): VU031256.D (-1562) (-)

Time-->



#42

Toluene

Concen: 0.910 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031256.D

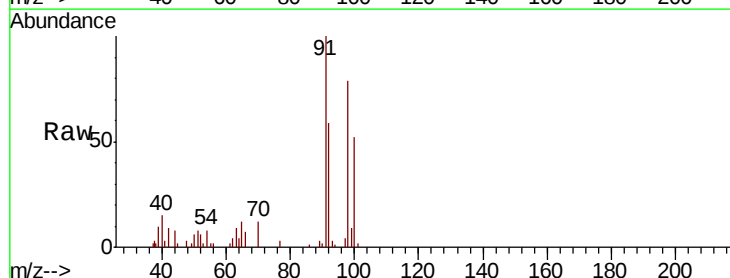
Acq: 17 Apr 2019 13:43

Tgt Ion: 91 Resp: 15974

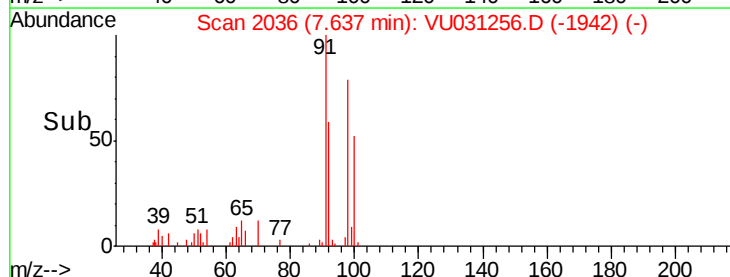
Ion Ratio Lower Upper

91 100

92 59.0 40.1 74.5

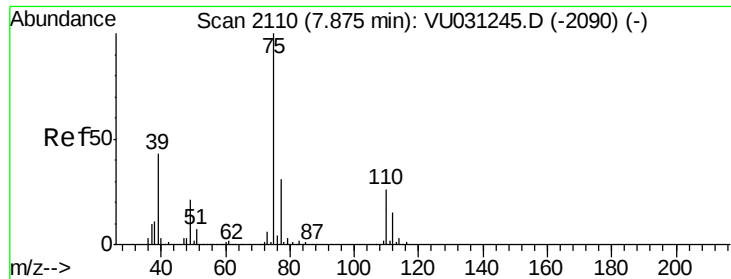


Abundance Ion 91.00 (90.70 to 91.70): VU031245.D (-2021) (-)



Ion 92.00 (91.70 to 92.70): VU031256.D (-1942) (-)

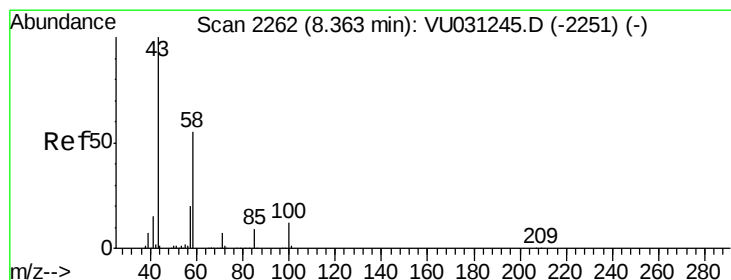
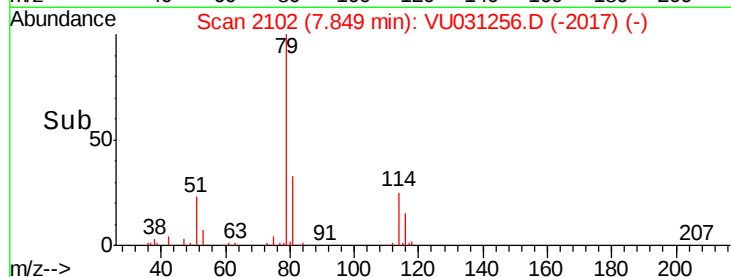
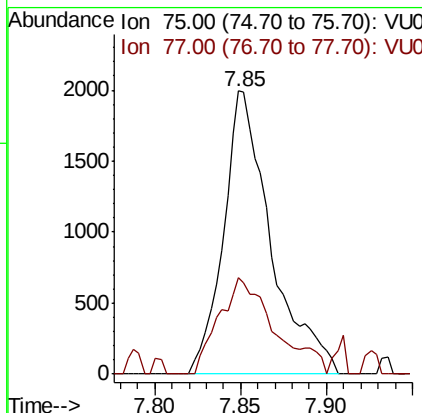
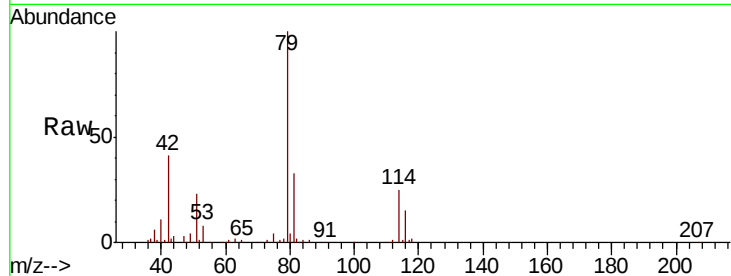
Time-->



#44
trans-1,3-Dichloropropene
Concen: 0.631 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU031256.D
Acq: 17 Apr 2019 13:43

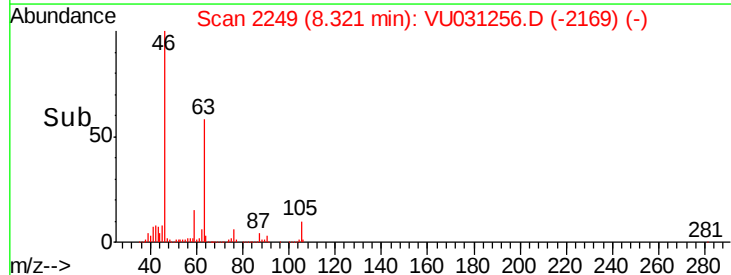
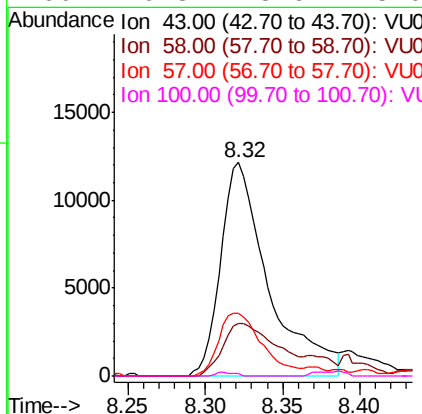
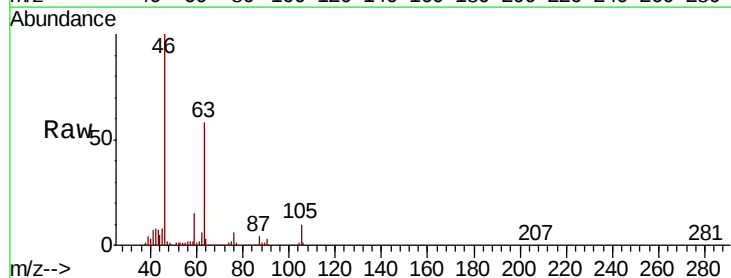
Instrument :
MSVOA_U
ClientSampleId :
GAHH8

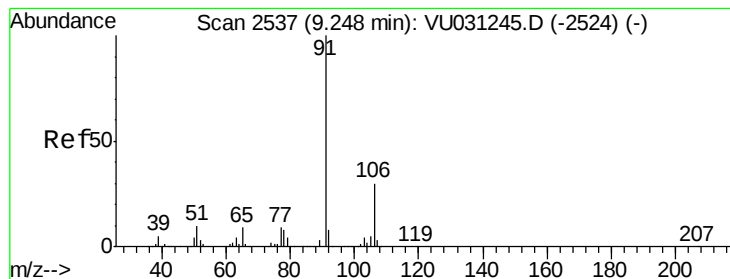
Tgt Ion: 75 Resp: 3841
Ion Ratio Lower Upper
75 100
77 34.0 22.8 42.4



#48
2-Hexanone
Concen: 4.990 ug/L
RT: 8.32 min Scan# 2249
Delta R.T. -0.04 min
Lab File: VU031256.D
Acq: 17 Apr 2019 13:43

Tgt Ion: 43 Resp: 26179
Ion Ratio Lower Upper
43 100
58 26.9 44.9 67.3#
57 26.6 15.1 22.7#
100 0.3 8.6 13.0#





#52

Ethylbenzene

Concen: 1.979 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031256.D

Acq: 17 Apr 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

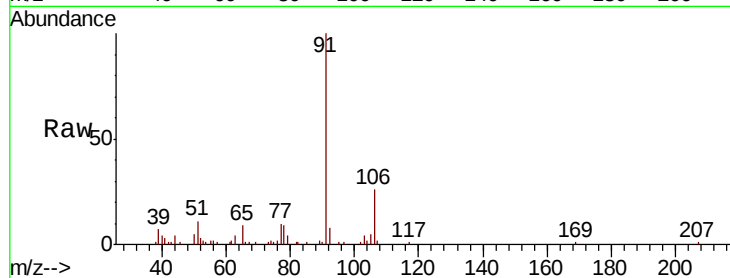
GAHH8

Tgt Ion: 91 Resp: 37822

Ion Ratio Lower Upper

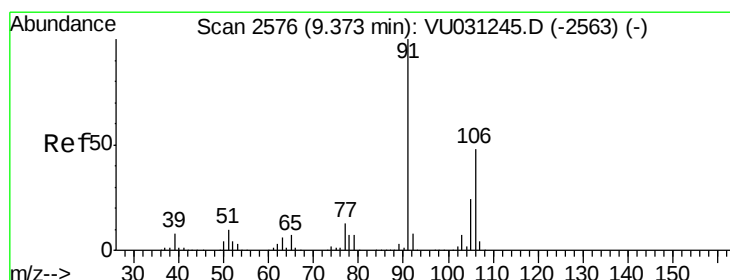
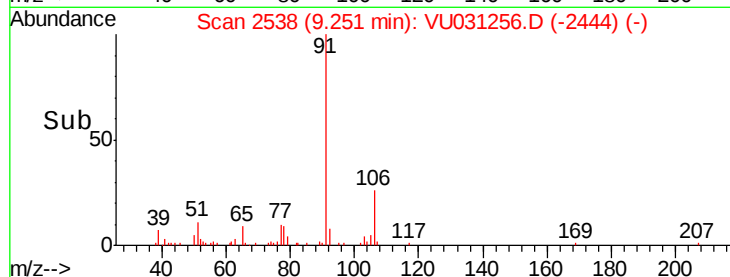
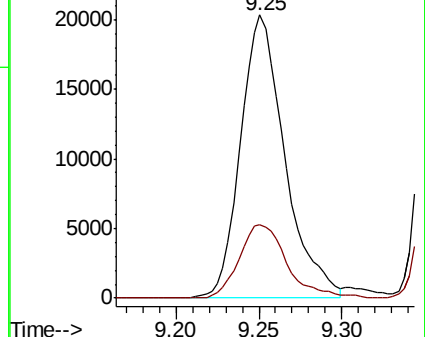
91 100

106 26.1 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU031245.D (-2524) (-)

Ion 106.00 (105.70 to 106.70): VU031245.D (-2524) (-)



#53

m,p-Xylene

Concen: 34.737 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031256.D

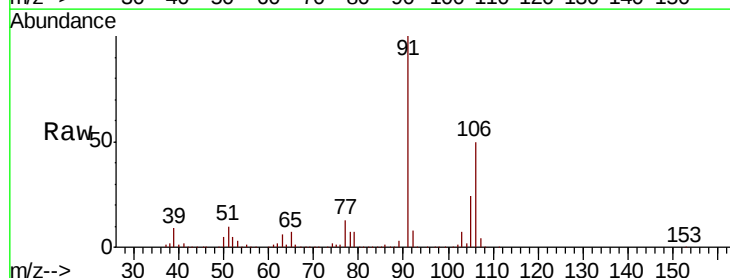
Acq: 17 Apr 2019 13:43

Tgt Ion: 106 Resp: 234326

Ion Ratio Lower Upper

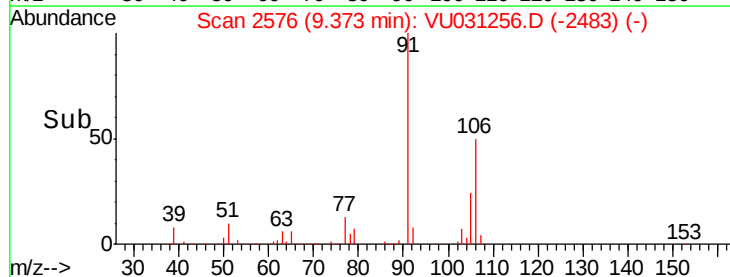
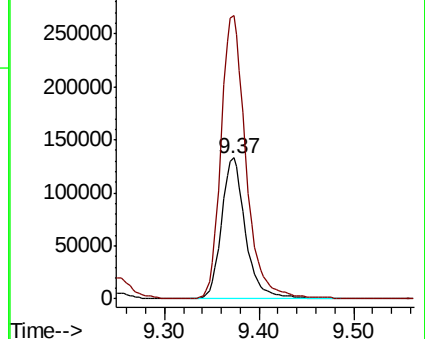
106 100

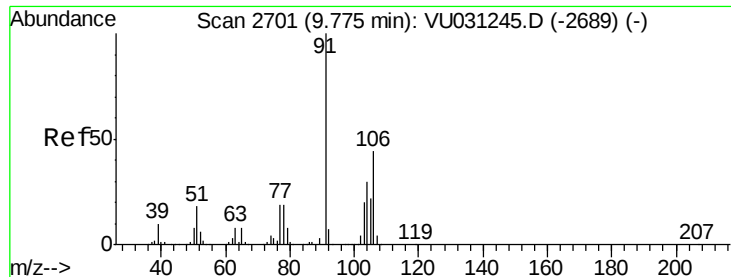
91 200.9 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): VU031245.D (-2563) (-)

Ion 91.00 (90.70 to 91.70): VU031245.D (-2563) (-)

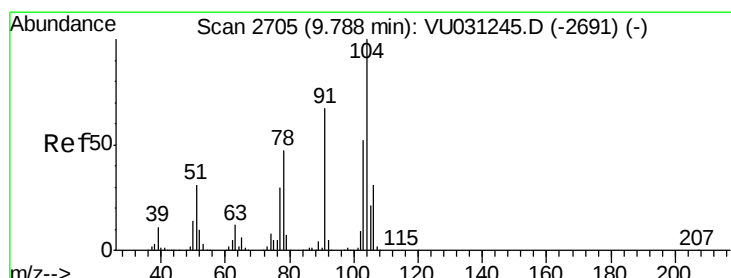
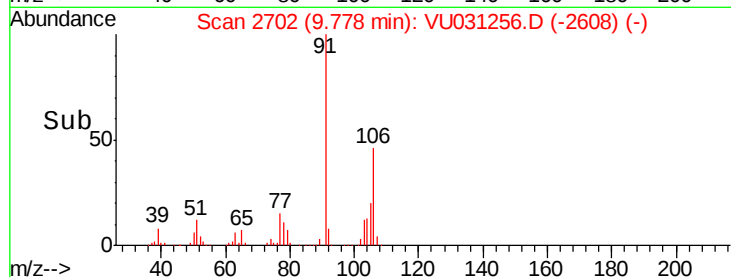
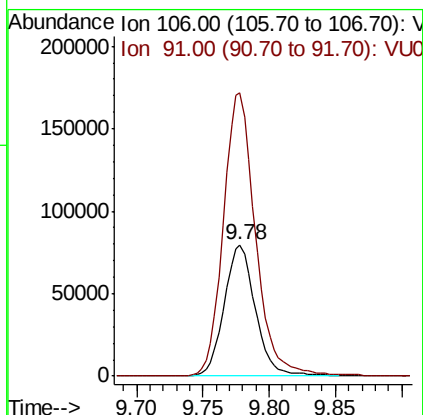
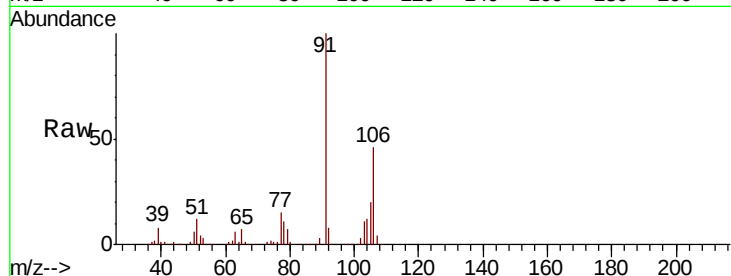




#54
o-xylene
Concen: 19.101 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031256.D
Acq: 17 Apr 2019 13:43

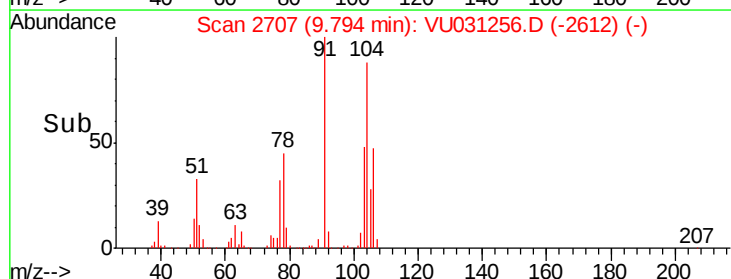
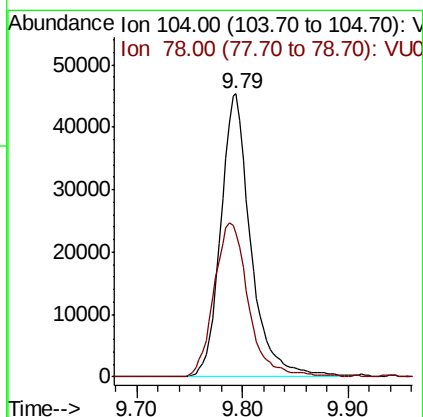
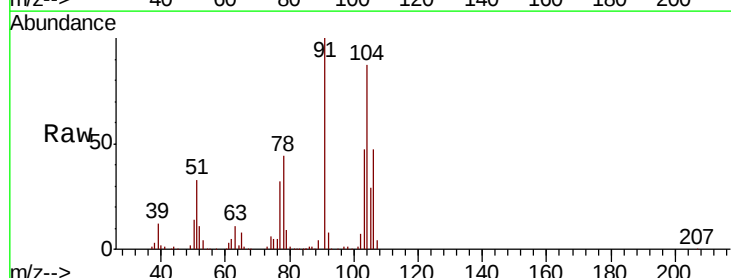
Instrument :
MSVOA_U
ClientSampled :
GAHH8

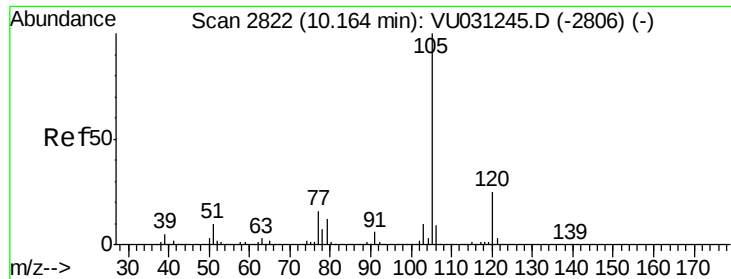
Tgt Ion:106 Resp: 130487
Ion Ratio Lower Upper
106 100
91 215.2 154.3 286.5



#55
Styrene
Concen: 7.763 ug/L
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU031256.D
Acq: 17 Apr 2019 13:43

Tgt Ion:104 Resp: 89514
Ion Ratio Lower Upper
104 100
78 50.7 32.8 61.0

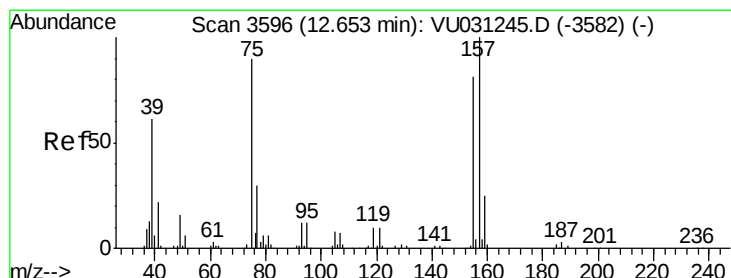
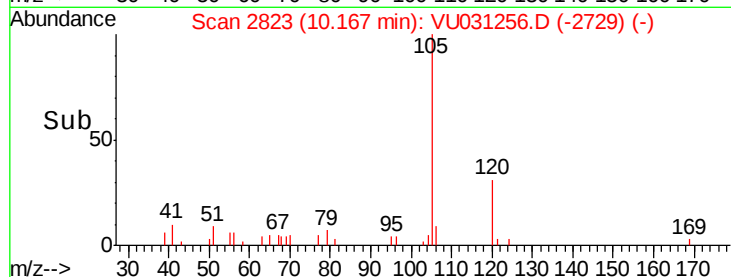
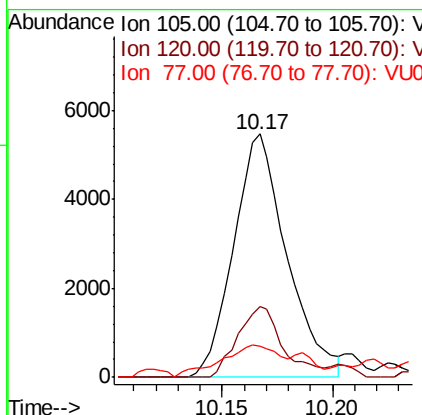
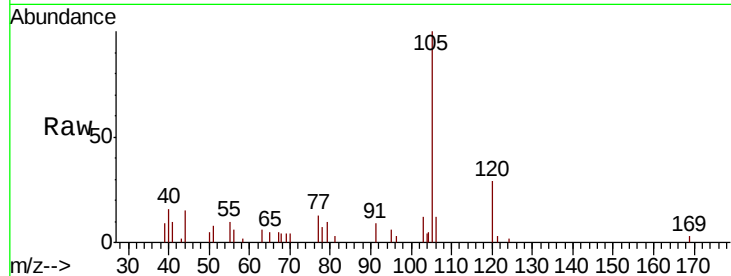




#56
Isopropylbenzene
Concen: 0.525 ug/L
RT: 10.17 min Scan# 2823
Delta R.T. 0.00 min
Lab File: VU031256.D
Acq: 17 Apr 2019 13:43

Instrument :
MSVOA_U
ClientSampleId :
GAHH8

Tgt Ion: 105 Resp: 9187
Ion Ratio Lower Upper
105 100
120 24.8 20.6 31.0
77 11.1 13.0 19.4#



#66
1,2-Dibromo-3-chloropropane
Concen: 2.111 ug/L
RT: 12.71 min Scan# 3613
Delta R.T. 0.05 min
Lab File: VU031256.D
Acq: 17 Apr 2019 13:43

Tgt Ion: 75 Resp: 3843
Ion Ratio Lower Upper
75 100
155 8.0 66.7 100.1#
157 0.0 86.5 129.7#

