

Data File : VU031362.D
Acq On : 19 Apr 2019 16:24
Operator : JC/SP
Sample : K2455-06
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHQ8

Quant Time: Apr 19 23:15:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 19 23:12:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	726745	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	602129	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	286738	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	150999	22.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	45.12%#
7) Chloroethane-d5	1.68	69	122388	21.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	42.12%#
11) 1,1-Dichloroethene-d2	2.24	63	263667	19.89	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	39.78%#
21) 2-Butanone-d5	4.21	46	346421	71.07	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.07%
24) Chloroform-d	4.64	84	351415	31.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	62.94%#
26) 1,2-Dichloroethane-d4	5.31	65	222366	32.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	64.66%#
32) Benzene-d6	5.33	84	742060	38.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.96%
36) 1,2-Dichloropropane-d6	6.33	67	255671	41.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.76%
41) Toluene-d8	7.56	98	665961	39.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.52%#
43) trans-1,3-Dichloropropene-	7.85	79	116289	39.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.76%
47) 2-Hexanone-d5	8.34	63	272006	93.27	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.27%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	274244	31.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	63.96%#
64) 1,2-Dichlorobenzene-d4	11.86	152	235228	35.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.54%#

Target Compounds

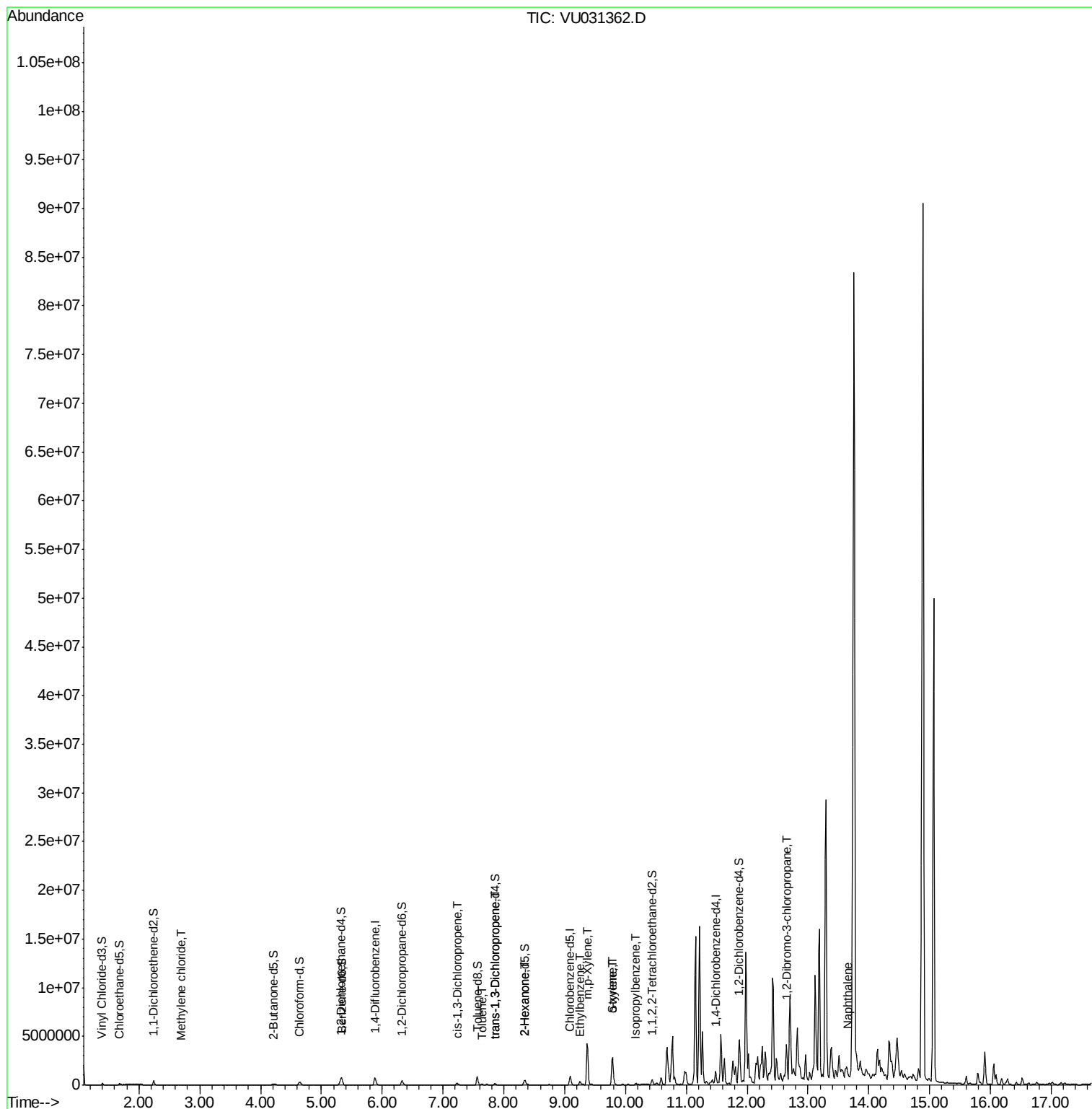
					Qvalue
16) Methylene chloride	2.69	84	5348	0.965	ug/L 83
39) cis-1,3-Dichloropropene	7.22	75	5836	0.726	ug/L # 69
42) Toluene	7.64	91	60594	3.008	ug/L 99
44) trans-1,3-Dichloropropene	7.85	75	4221	0.605	ug/L 84
48) 2-Hexanone	8.35	43	30188	5.016	ug/L # 59
52) Ethylbenzene	9.25	91	280708	12.800	ug/L 100
53) m,p-Xylene	9.37	106	1186858	153.356	ug/L 98
54) o-xylene	9.78	106	601819	76.789	ug/L 99
55) Styrene	9.79	104	760668	57.497	ug/L 99
56) Isopropylbenzene	10.17	105	90880	4.524	ug/L 97
66) 1,2-Dibromo-3-chloropropan	12.65	75	12030	6.326	ug/L # 4
69) Naphthalene	13.67	128	12549	0.696	ug/L # 57

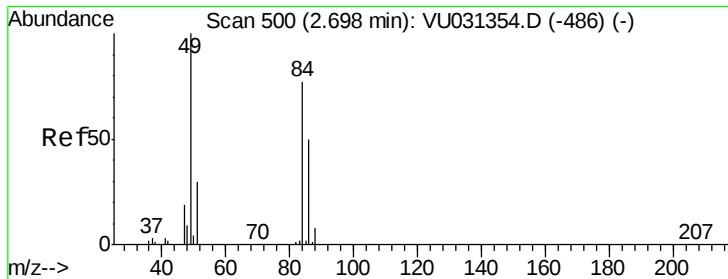
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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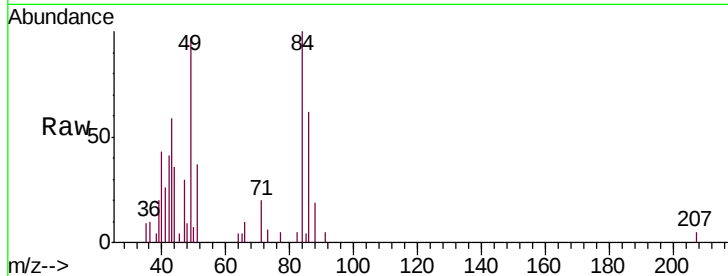




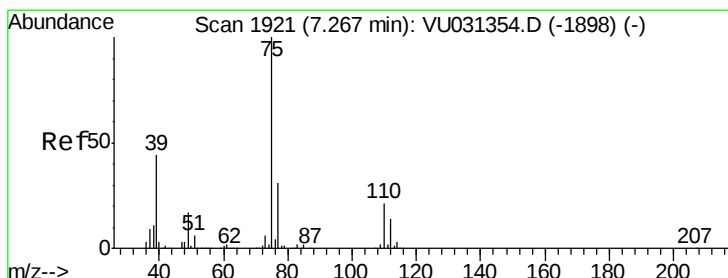
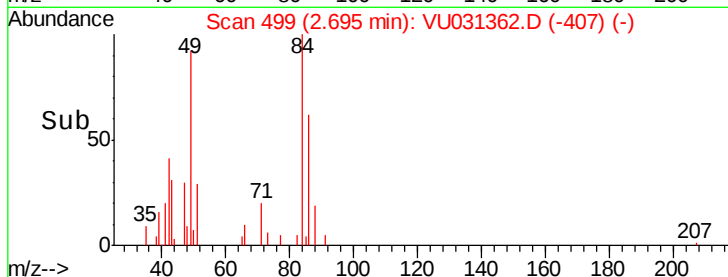
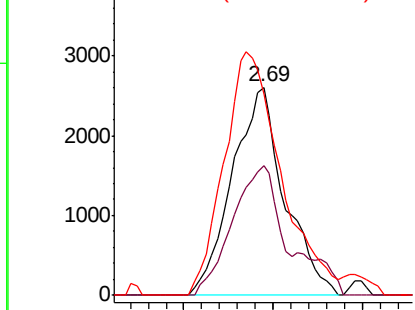
#16
Methylene chloride
Concen: 0.965 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU031362.D
Acq: 19 Apr 2019 16:24

Instrument :
MSVOA_U
ClientSampleId :
GAHQ8

Tgt Ion: 84 Resp: 5348
Ion Ratio Lower Upper
84 100
86 62.0 44.0 81.8
49 96.7 88.0 163.4

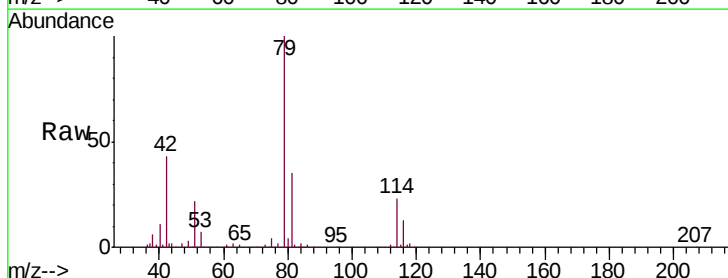


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

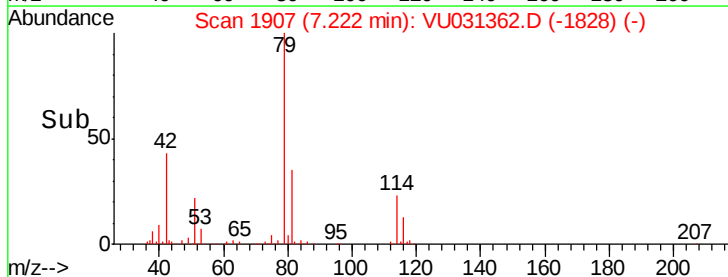
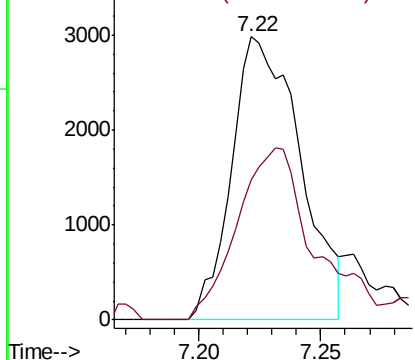


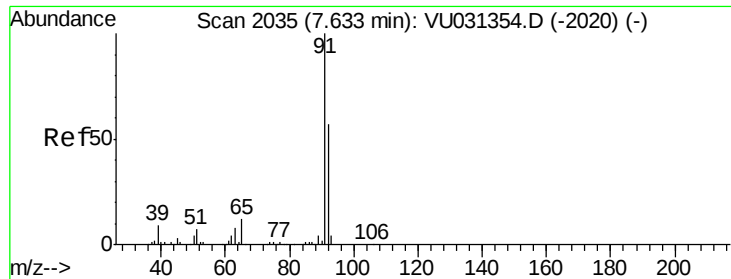
#39
cis-1,3-Dichloropropene
Concen: 0.726 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.05 min
Lab File: VU031362.D
Acq: 19 Apr 2019 16:24

Tgt Ion: 75 Resp: 5836
Ion Ratio Lower Upper
75 100
77 49.6 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 3.008 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031362.D

Acq: 19 Apr 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

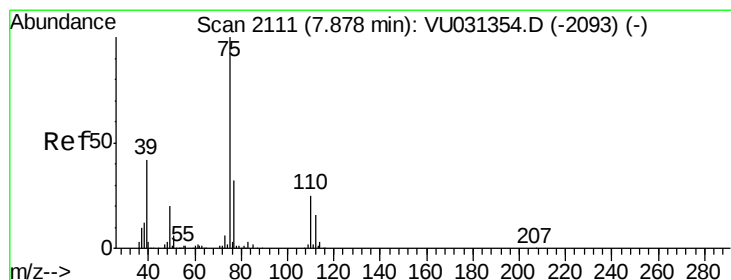
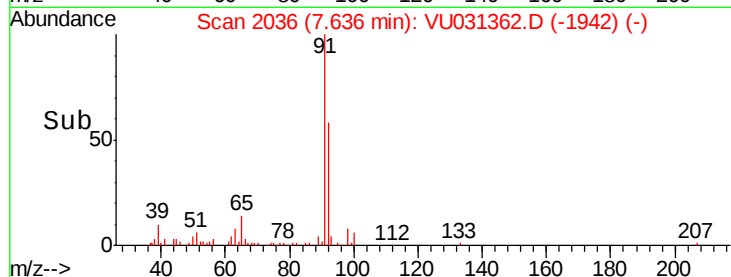
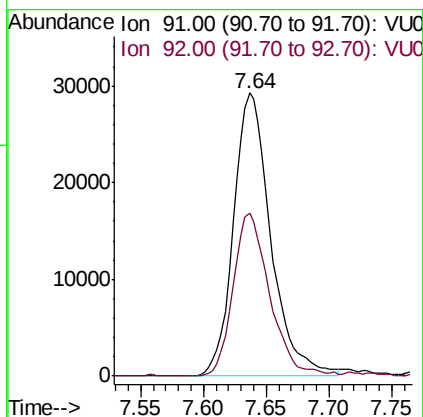
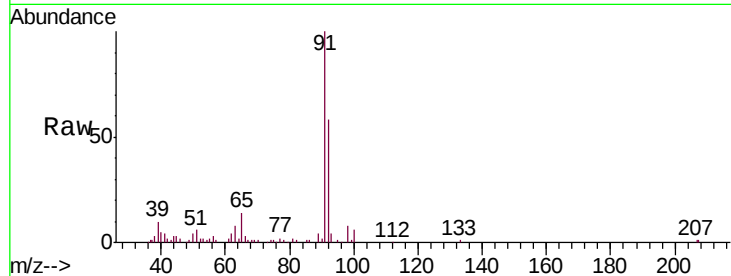
GAHQ8

Tgt Ion: 91 Resp: 60594

Ion Ratio Lower Upper

91 100

92 57.8 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 0.605 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU031362.D

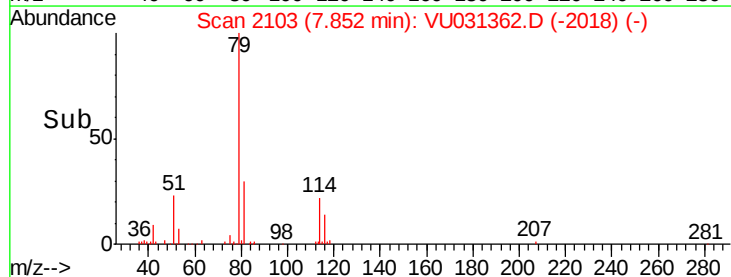
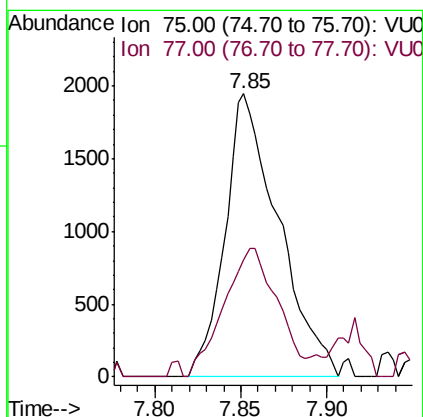
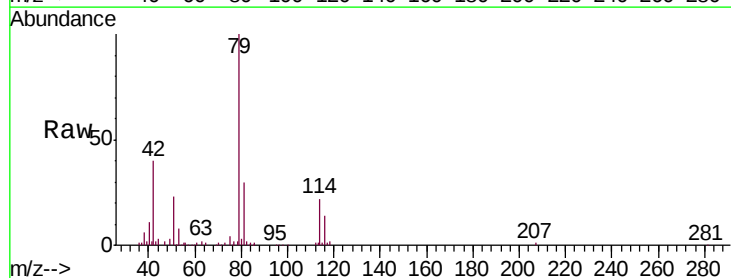
Acq: 19 Apr 2019 16:24

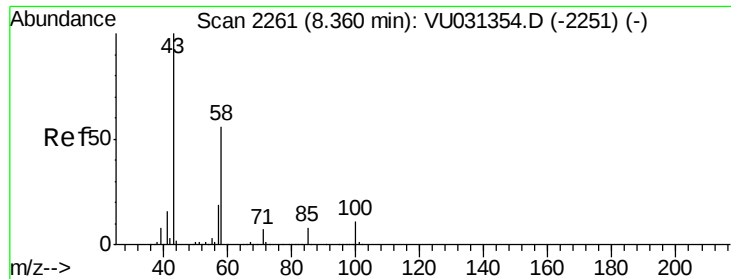
Tgt Ion: 75 Resp: 4221

Ion Ratio Lower Upper

75 100

77 41.5 22.8 42.4

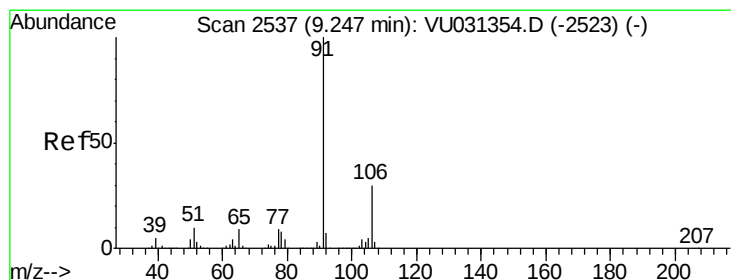
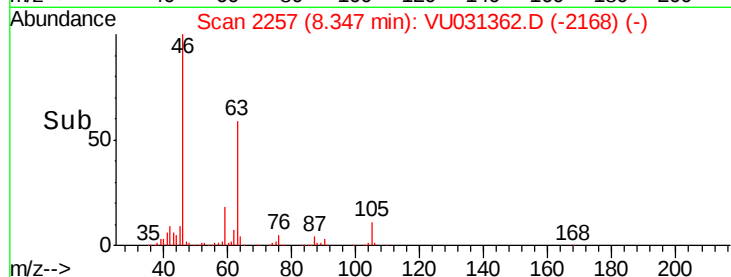
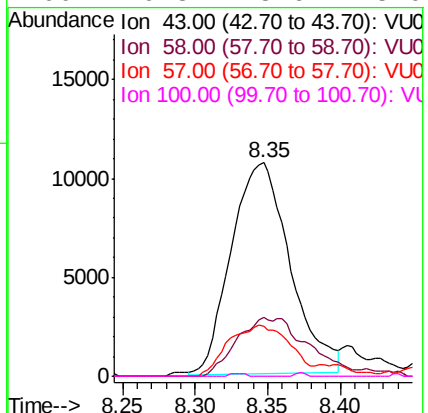
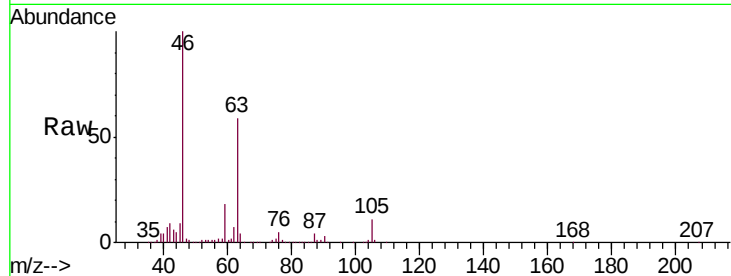




#48
2-Hexanone
Concen: 5.016 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. -0.01 min
Lab File: VU031362.D
Acq: 19 Apr 2019 16:24

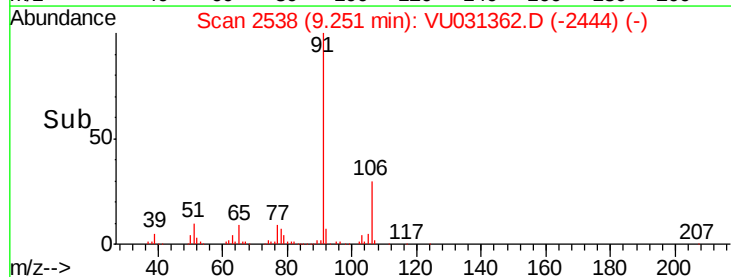
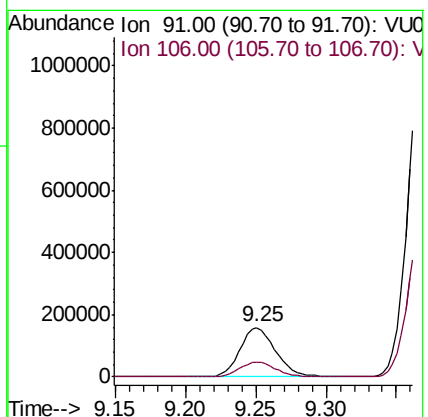
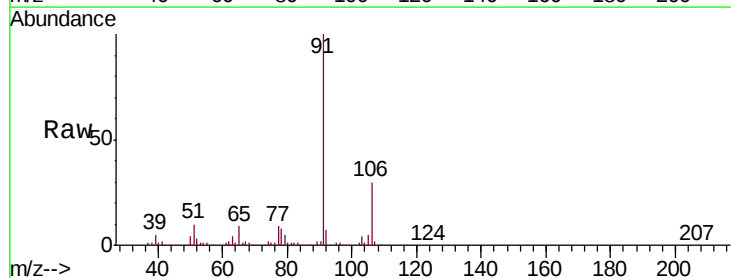
Instrument :
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GAHQ8

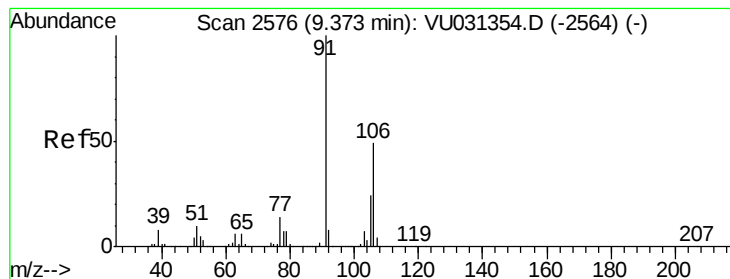
Tgt Ion: 43 Resp: 30188
Ion Ratio Lower Upper
43 100
58 17.0 44.9 67.3#
57 24.9 15.1 22.7#
100 0.3 8.6 13.0#



#52
Ethylbenzene
Concen: 12.800 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU031362.D
Acq: 19 Apr 2019 16:24

Tgt Ion: 91 Resp: 280708
Ion Ratio Lower Upper
91 100
106 30.0 20.9 38.7





#53

m,p-Xylene

Concen: 153.356 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031362.D

Acq: 19 Apr 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

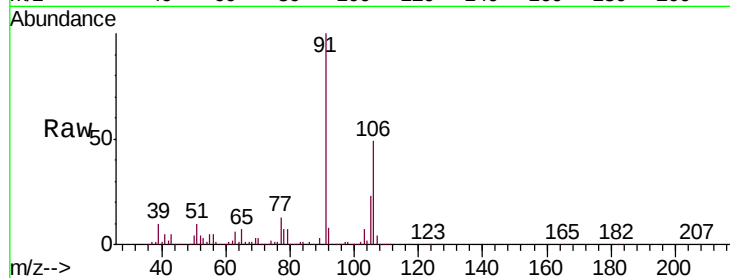
GAHQ8

Tgt Ion:106 Resp: 1186858

Ion Ratio Lower Upper

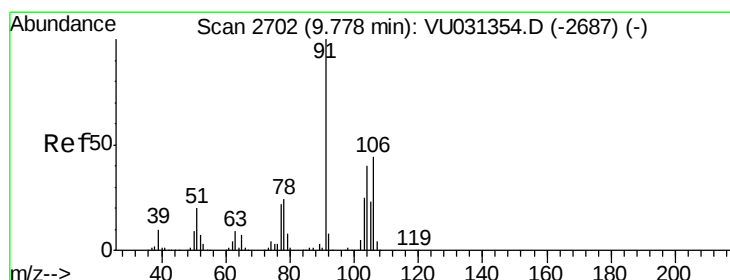
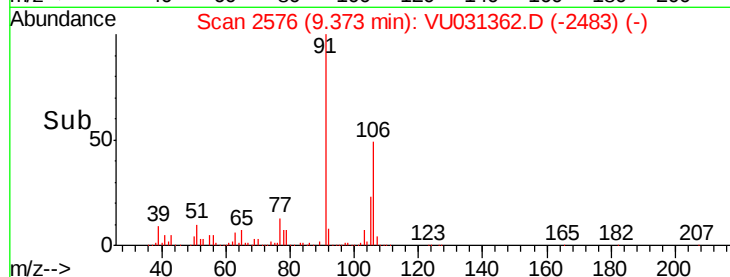
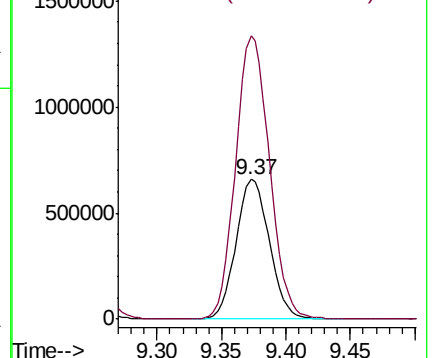
106 100

91 202.8 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 76.789 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VU031362.D

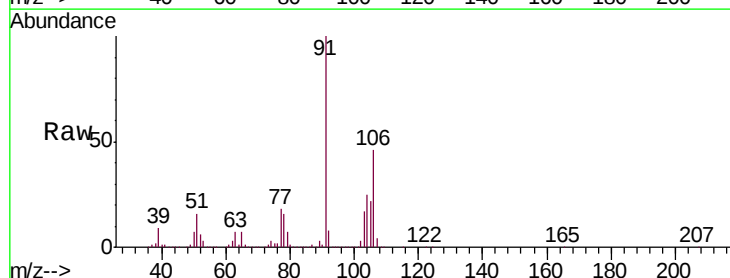
Acq: 19 Apr 2019 16:24

Tgt Ion:106 Resp: 601819

Ion Ratio Lower Upper

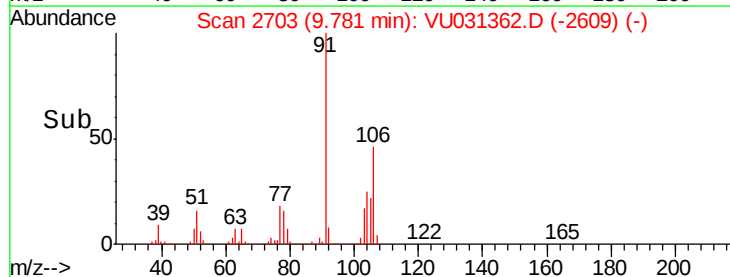
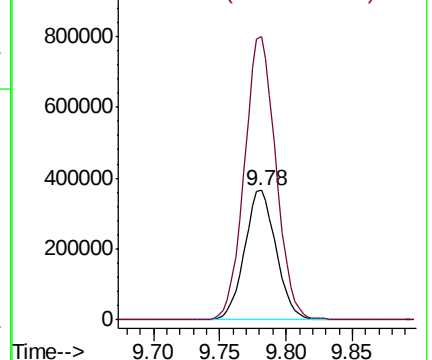
106 100

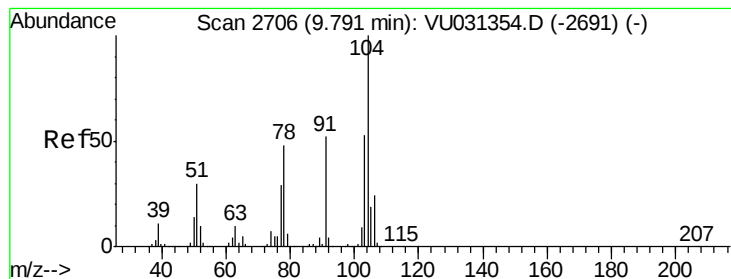
91 218.8 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 57.497 ug/L

RT: 9.79 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VU031362.D

Acq: 19 Apr 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

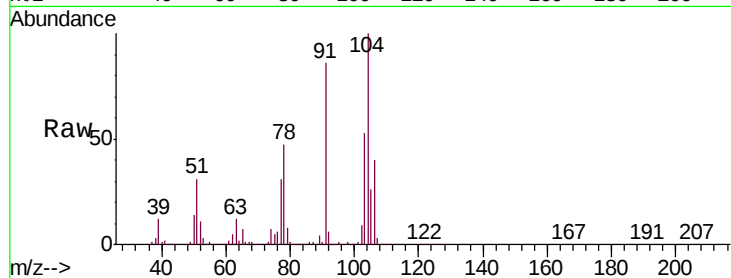
GAHQ8

Tgt Ion:104 Resp: 760668

Ion Ratio Lower Upper

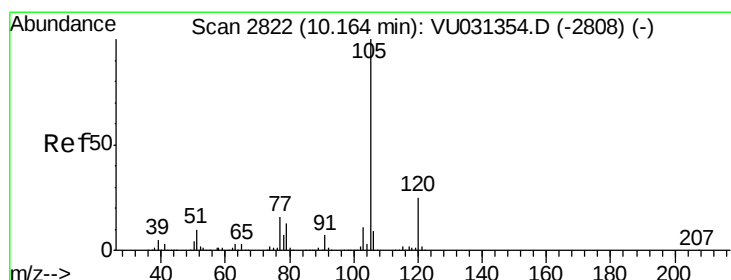
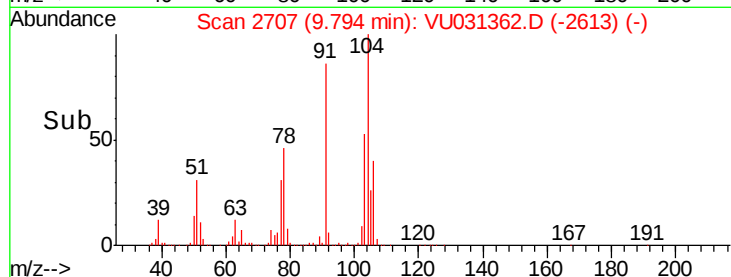
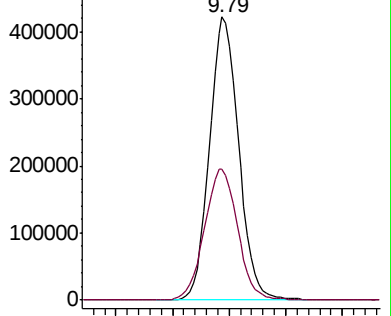
104 100

78 46.5 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 4.524 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU031362.D

Acq: 19 Apr 2019 16:24

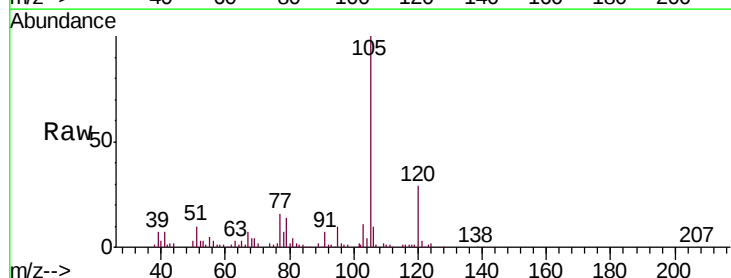
Tgt Ion:105 Resp: 90880

Ion Ratio Lower Upper

105 100

120 27.7 20.6 31.0

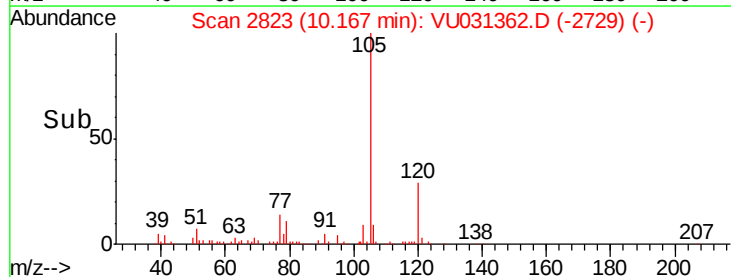
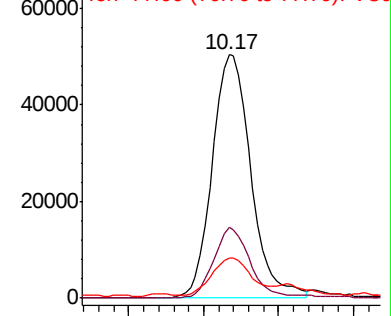
77 15.6 13.0 19.4

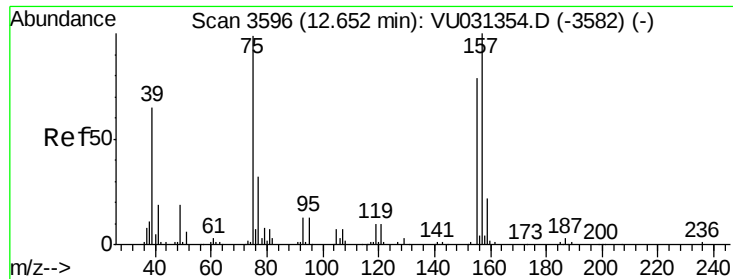


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

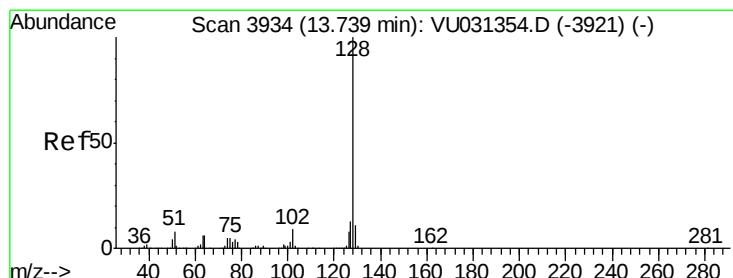
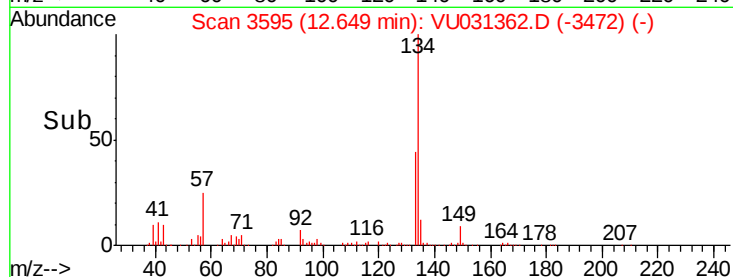
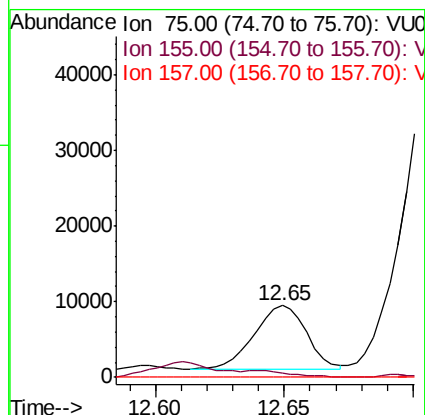
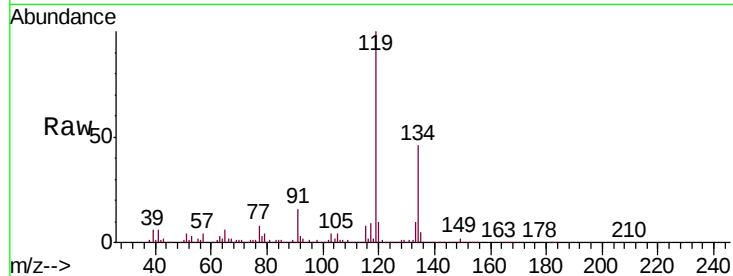




#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.326 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU031362.D
 Acq: 19 Apr 2019 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHQ8

Tgt Ion: 75 Resp: 12030
 Ion Ratio Lower Upper
 75 100
 155 5.2 66.7 100.1#
 157 0.0 86.5 129.7#



#69
 Naphthalene
 Concen: 0.696 ug/L
 RT: 13.67 min Scan# 3911
 Delta R.T. -0.07 min
 Lab File: VU031362.D
 Acq: 19 Apr 2019 16:24

Tgt Ion: 128 Resp: 12549
 Ion Ratio Lower Upper
 128 100
 127 35.0 10.3 15.5#
 129 0.0 8.2 12.2#

