

Data File : VW014701.D
Acq On : 20 Jan 2020 17:50
Operator : SY/VA
Sample : L1193-13
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GASP4

Quant Time: Jan 21 03:43:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 21 03:38:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1016313	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	736357	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	161355	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	326551	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.16%
7) Chloroethane-d5	2.89	69	263360	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.80%
10) 1,1-Dichloroethene-d2	4.01	63	458645	17.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.00%
20) 2-Butanone-d5	7.07	46	164628	48.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.58%
24) Chloroform-d	7.64	84	585788	25.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	8.30	65	305474	25.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.72%
29) Benzene-d6	8.27	84	1230820	31.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	125.72%
33) 1,2-Dichloropropane-d6	9.27	67	373953	31.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	127.04%#
37) Toluene-d8	10.32	98	991215	27.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.68%
38) trans-1,3-Dichloropropene-	10.57	79	127336	26.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.72%
39) 2-Hexanone-d5	10.92	63	120244	59.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	201074	22.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	128474	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

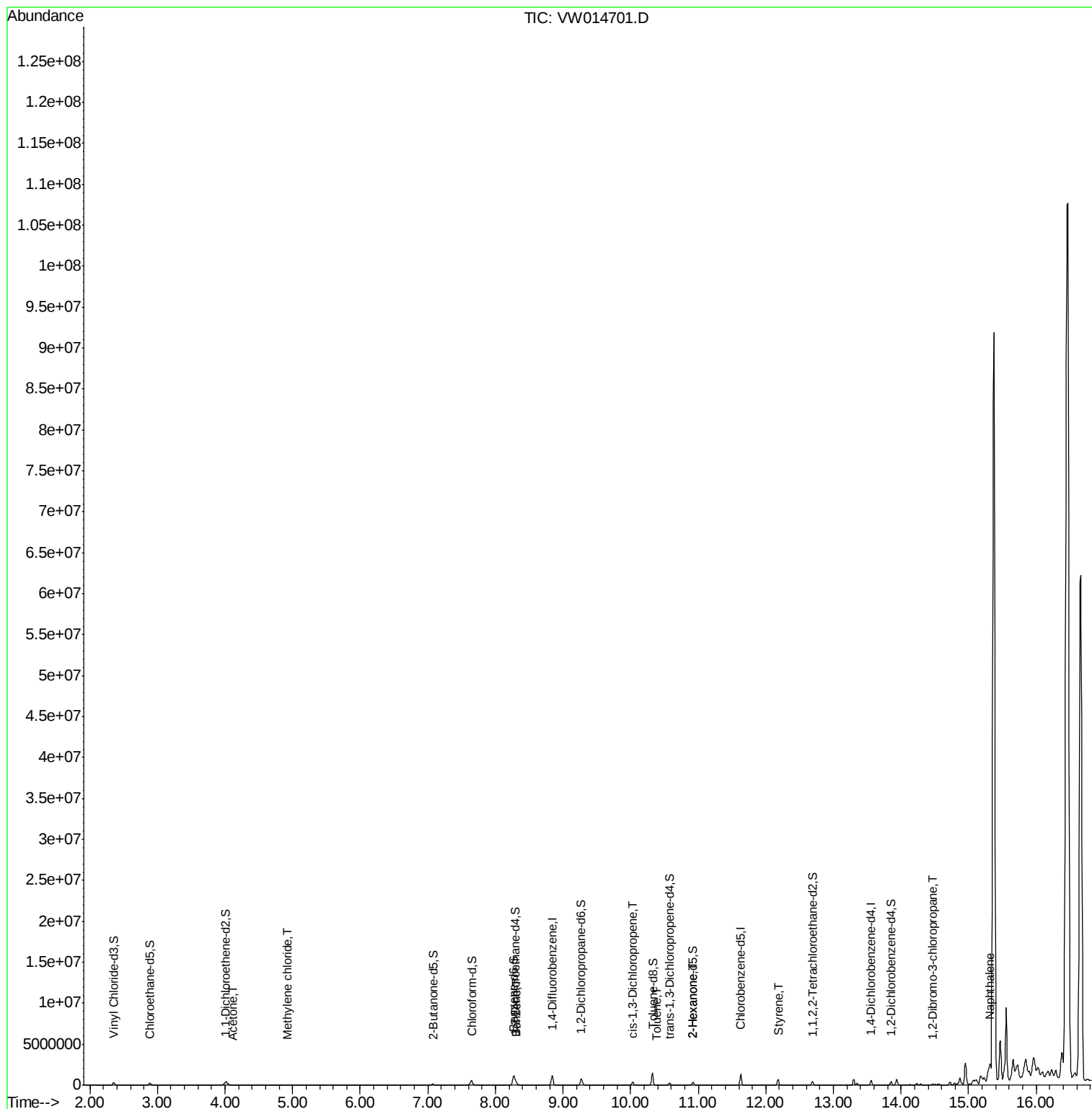
					Qvalue
13) Acetone	4.12	43	29509	6.252 ug/L	97
16) Methylene chloride	4.92	84	33454	2.019 ug/L	95
34) Benzene	8.32	78	42568	0.961 ug/L	100
42) cis-1,3-Dichloropropene	10.03	75	7879	0.470 ug/L #	45
44) Toluene	10.38	91	15548	0.336 ug/L	96
49) 2-Hexanone	10.92	43	16087	3.272 ug/L #	65
56) Styrene	12.18	104	324972	10.609 ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.46	75	2724	4.017 ug/L #	1
69) Naphthalene	15.32	128	296846	30.311 ug/L #	1

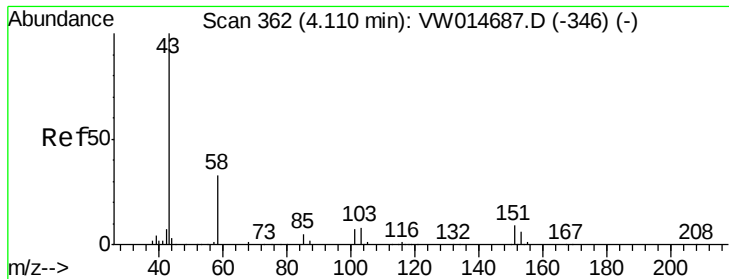
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 6.252 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

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Acq: 20 Jan 2020 17:50

Instrument :

MSVOA_W

ClientSampleId :

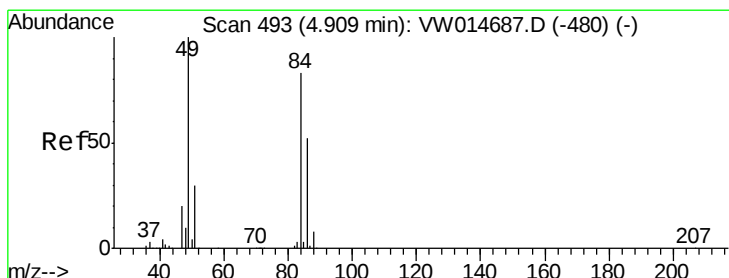
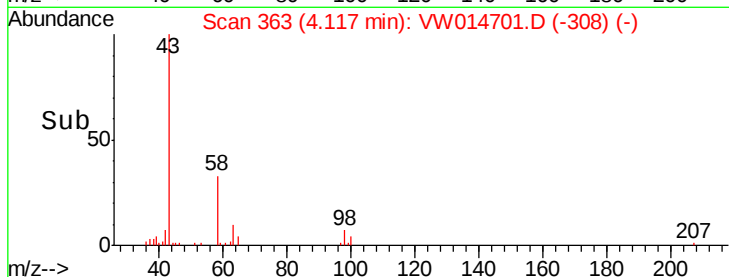
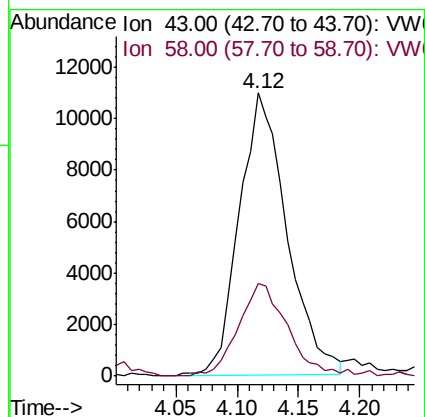
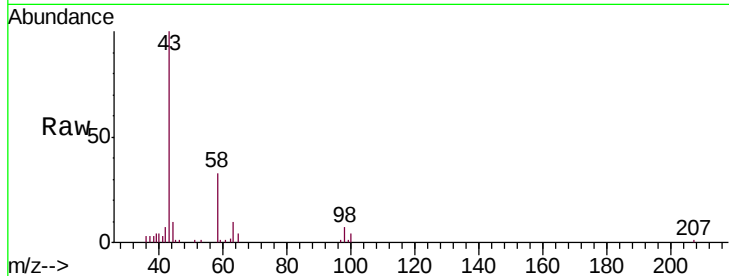
GASP4

Tgt Ion: 43 Resp: 29509

Ion Ratio Lower Upper

43 100

58 33.6 0.0 64.0



#16

Methylene chloride

Concen: 2.019 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW014701.D

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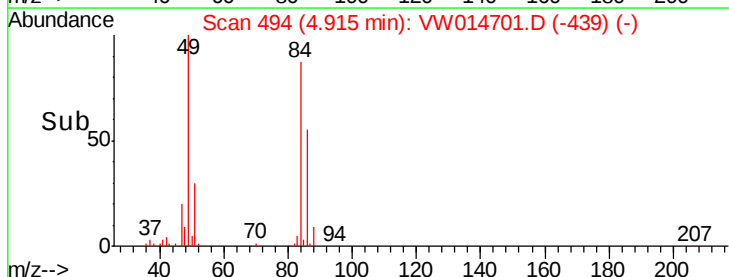
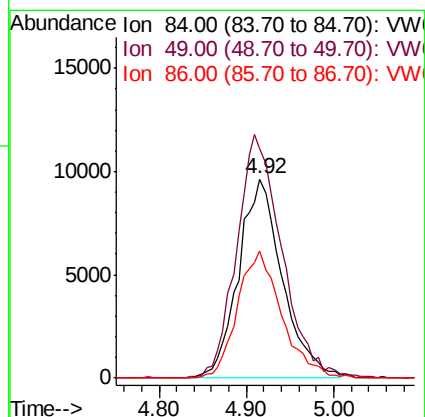
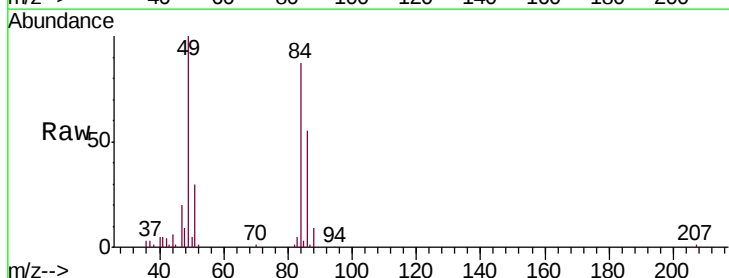
Tgt Ion: 84 Resp: 33454

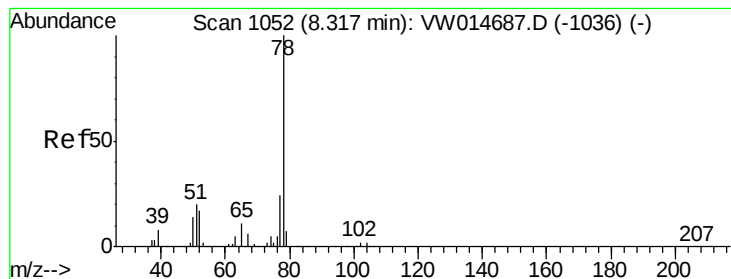
Ion Ratio Lower Upper

84 100

49 115.0 85.8 159.4

86 63.8 44.5 82.7





#34

Benzene

Concen: 0.961 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014701.D

Acq: 20 Jan 2020 17:50

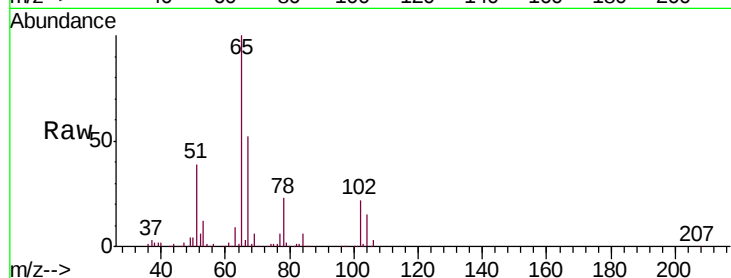
Instrument :

MSVOA_W

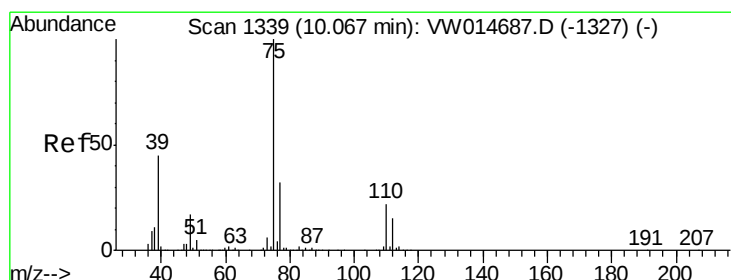
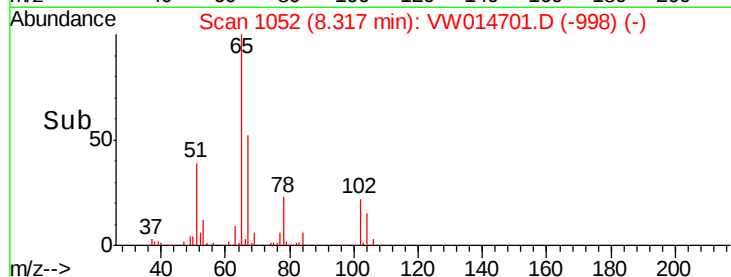
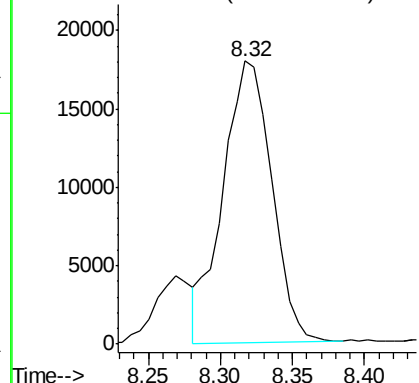
ClientSampled :

GASP4

Tgt Ion: 78 Resp: 42568



Abundance Ion 78.00 (77.70 to 78.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.470 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014701.D

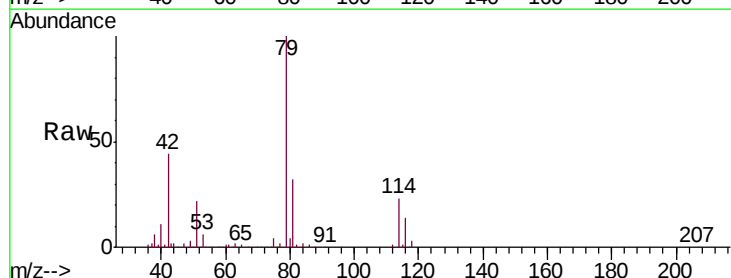
Acq: 20 Jan 2020 17:50

Tgt Ion: 75 Resp: 7879

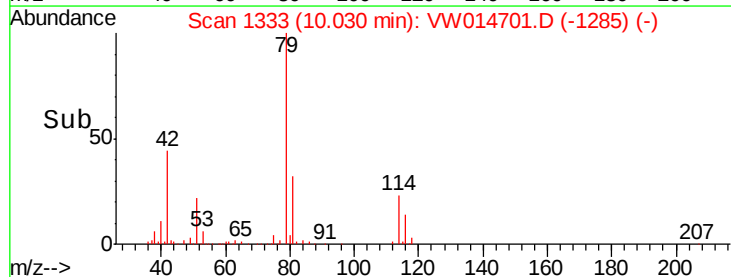
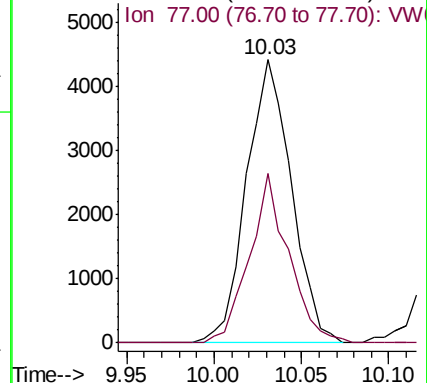
Ion Ratio Lower Upper

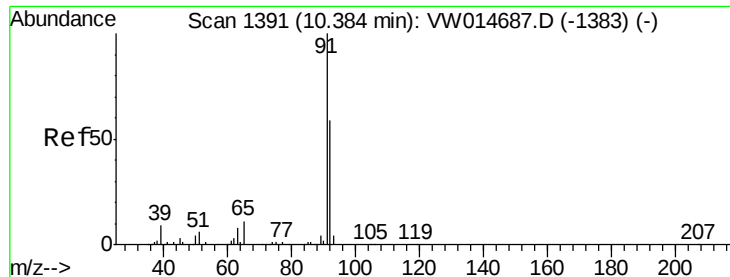
75 100

77 59.7 21.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VW





#44

Toluene

Concen: 0.336 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014701.D

Acq: 20 Jan 2020 17:50

Instrument :

MSVOA_W

ClientSampleId :

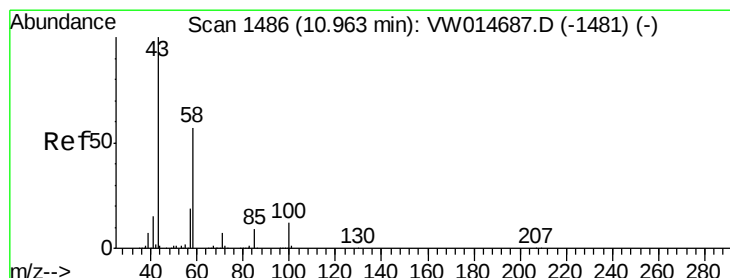
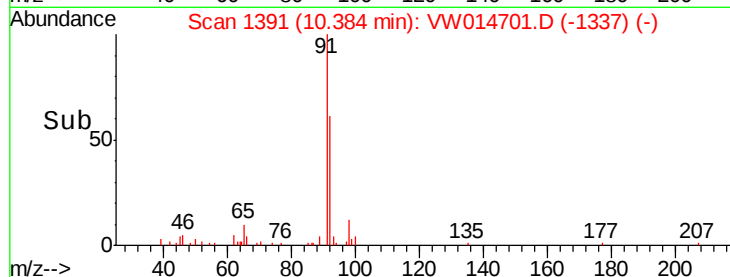
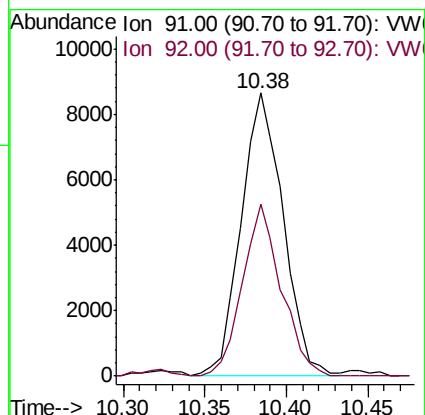
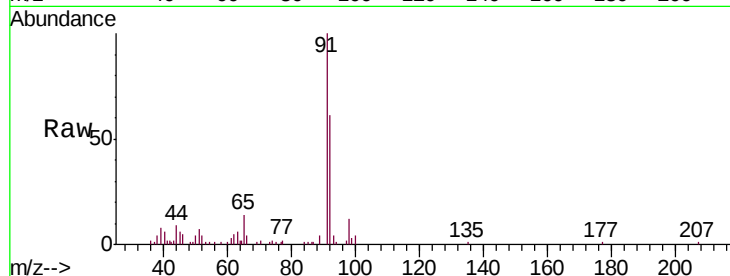
GASP4

Tgt Ion: 91 Resp: 15548

Ion Ratio Lower Upper

91 100

92 60.7 40.2 74.6



#49

2-Hexanone

Concen: 3.272 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.04 min

Lab File: VW014701.D

Acq: 20 Jan 2020 17:50

Tgt Ion: 43 Resp: 16087

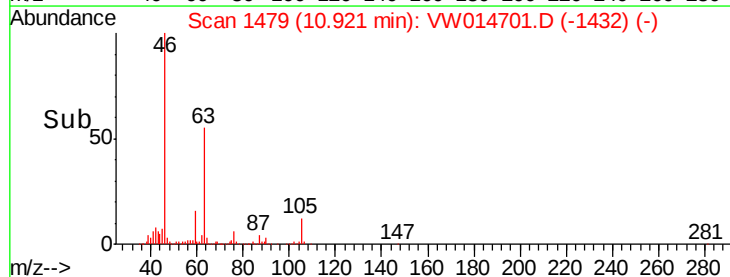
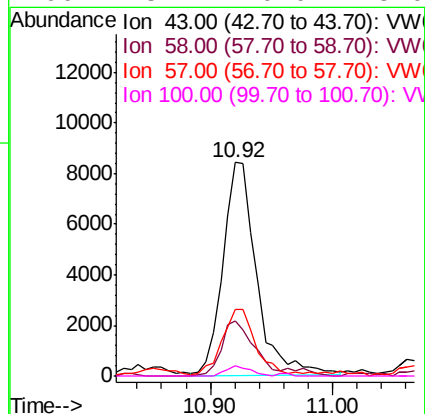
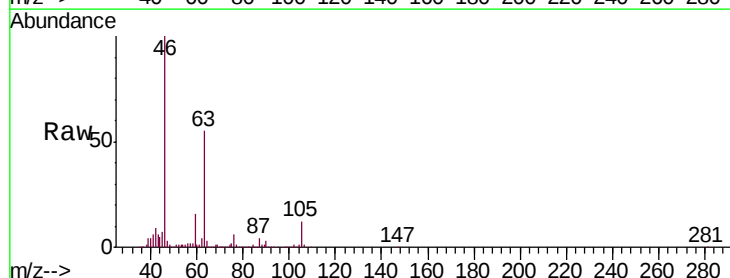
Ion Ratio Lower Upper

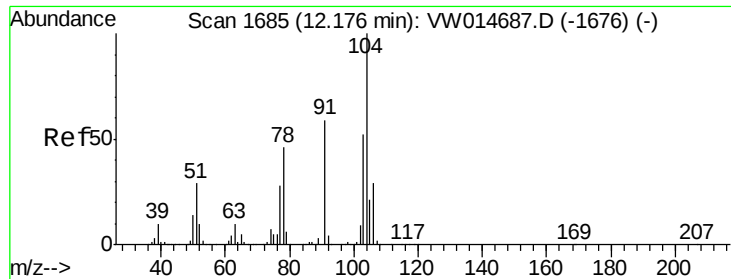
43 100

58 24.9 44.9 67.3#

57 29.0 15.3 22.9#

100 3.4 10.0 15.0#





#56

Styrene

Concen: 10.609 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014701.D

Acq: 20 Jan 2020 17:50

Instrument :

MSVOA_W

ClientSampled :

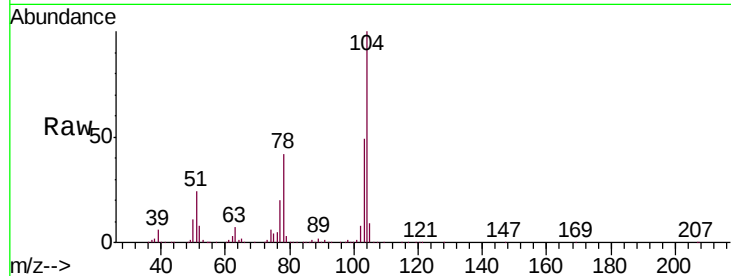
GASP4

Tgt Ion:104 Resp: 324972

Ion Ratio Lower Upper

104 100

78 41.9 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

12.18

200000

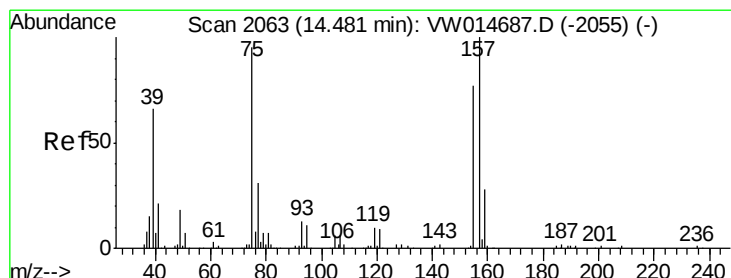
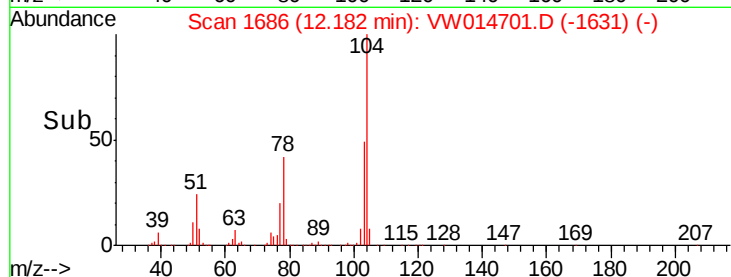
150000

100000

50000

0

Time--> 12.10 12.20



#66

1,2-Dibromo-3-chloropropane

Concen: 4.017 ug/L

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW014701.D

Acq: 20 Jan 2020 17:50

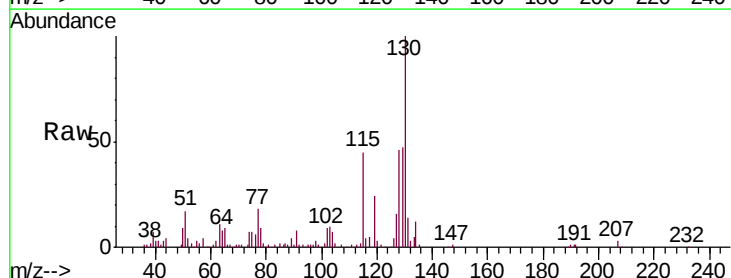
Tgt Ion: 75 Resp: 2724

Ion Ratio Lower Upper

75 100

157 0.0 87.2 130.8#

155 0.0 67.8 101.8#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

14.46

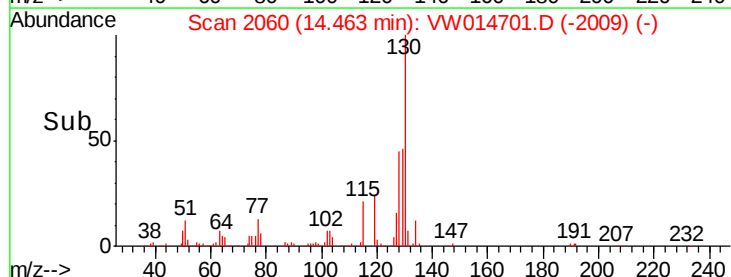
1500

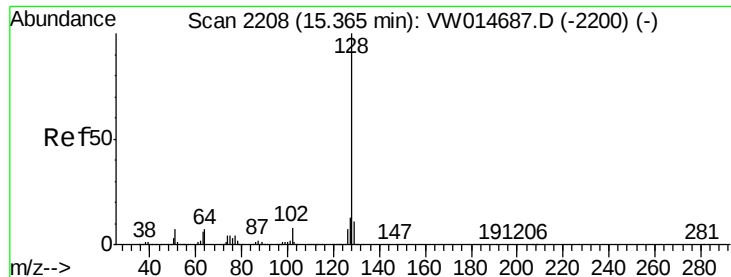
1000

500

0

Time--> 14.40 14.45 14.50





#69

Naphthalene

Concen: 30.311 ug/L

RT: 15.32 min Scan# 2200

Delta R.T. -0.05 min

Lab File: VW014701.D

Acq: 20 Jan 2020 17:50

Instrument :

MSVOA_W

ClientSampleId :

GASP4

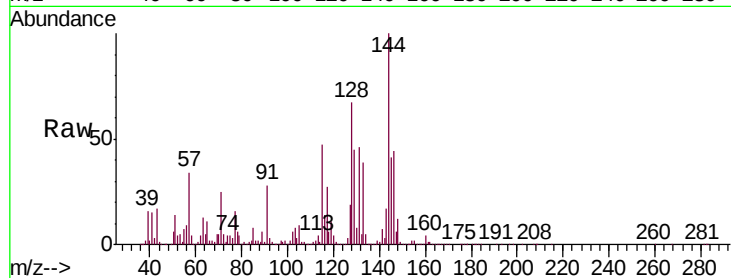
Tgt Ion:128 Resp: 296846

Ion Ratio Lower Upper

128 100

129 89.3 8.8 13.2#

127 29.3 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

