

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
 Data File : VV014821.D
 Acq On : 10 Mar 2020 23:05
 Operator : SY/MD
 Sample : L1840-17
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBET2

Quant Time: Mar 11 05:32:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 11 03:49:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	400196	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	392097	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	205629	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89398	33.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.02%
7) Chloroethane-d5	1.58	69	76534	35.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.50%
11) 1,1-Dichloroethene-d2	2.12	63	124720	27.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.42%#
21) 2-Butanone-d5	3.91	46	197128	97.59	ug/L	-0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.59%
24) Chloroform-d	4.38	84	223569	43.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.06	65	150696	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.52%
32) Benzene-d6	5.08	84	443640	42.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.70%
36) 1,2-Dichloropropane-d6	6.09	67	141588	41.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.52%
41) Toluene-d8	7.34	98	429294	42.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.68%
43) trans-1,3-Dichloropropene-	7.64	79	64709	38.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.24%
47) 2-Hexanone-d5	8.11	63	164010	107.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.65%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	211252	44.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	187212	45.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.86%

Target Compounds

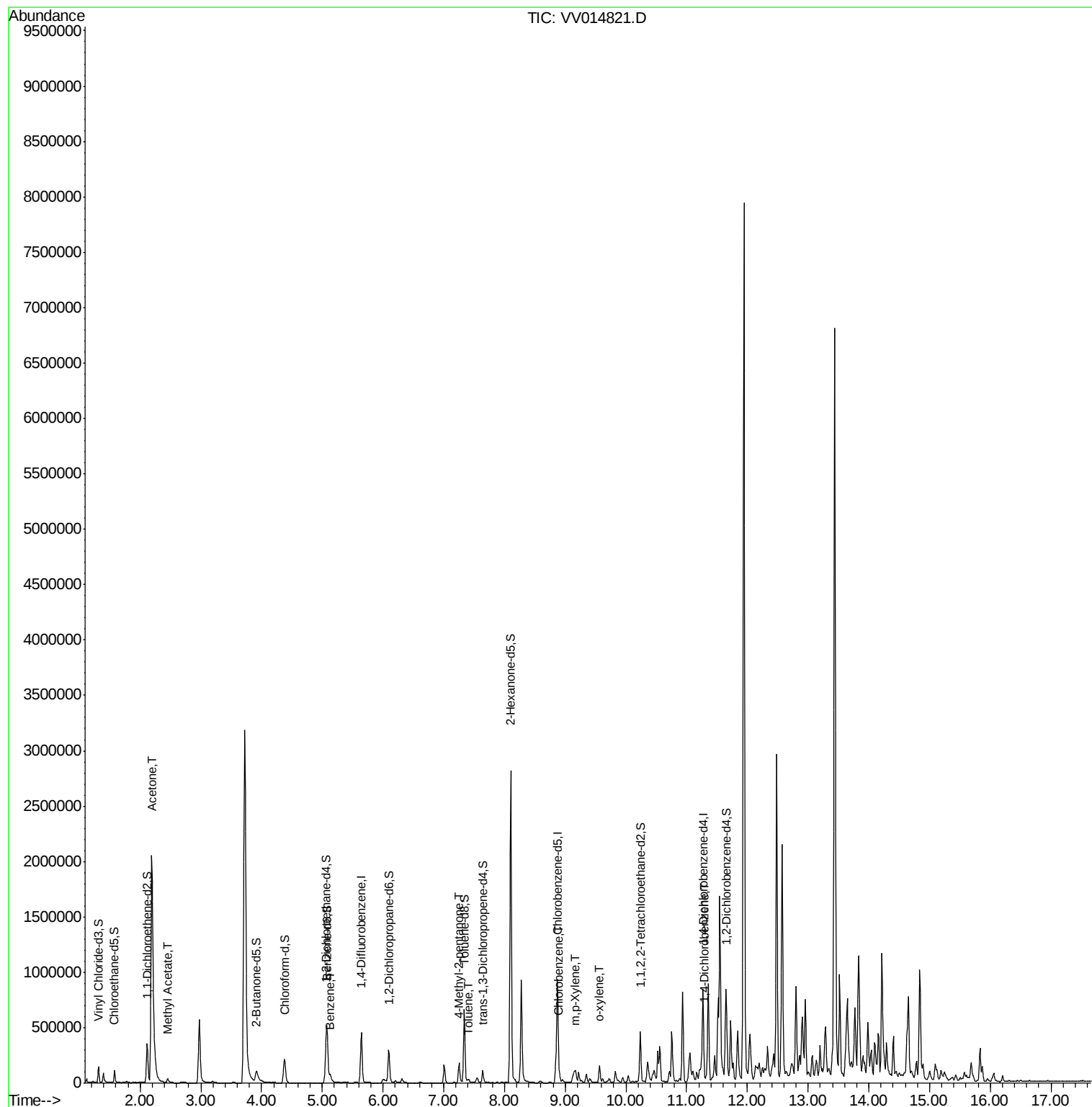
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.19	43	3480791	2064.002	ug/L	98
15) Methyl Acetate	2.45	43	46675	14.732	ug/L	100
33) Benzene	5.13	78	78138	6.879	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	123662	27.800	ug/L #	97
42) Toluene	7.41	91	18284	1.459	ug/L	99
51) Chlorobenzene	8.90	112	22743	2.821	ug/L	99
53) m,p-Xylene	9.16	106	5255	0.992	ug/L	97
54) o-xylene	9.56	106	35262	6.775	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	3965	0.592	ug/L #	70

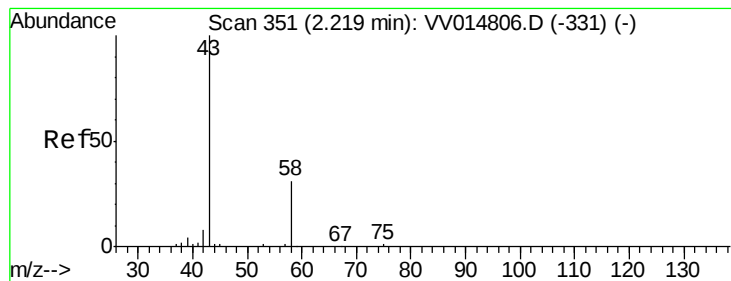
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 11 03:49:31 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2064.002 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.03 min

Lab File: VV014821.D

Acq: 10 Mar 2020 23:05

Instrument :

MSVOA_V

ClientSampled :

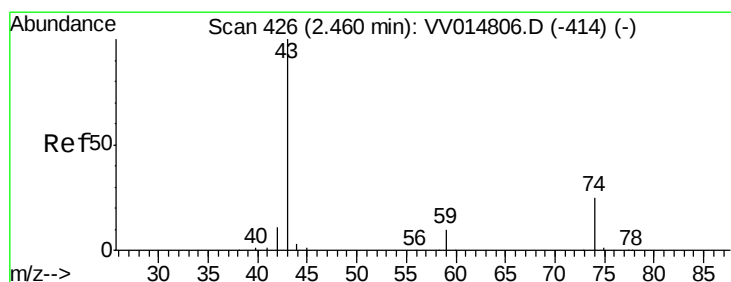
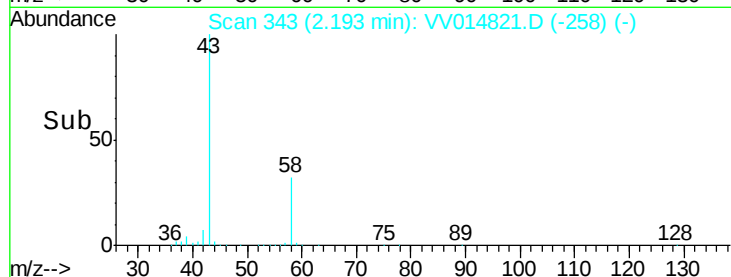
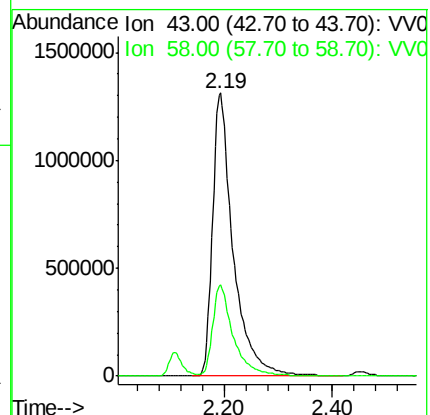
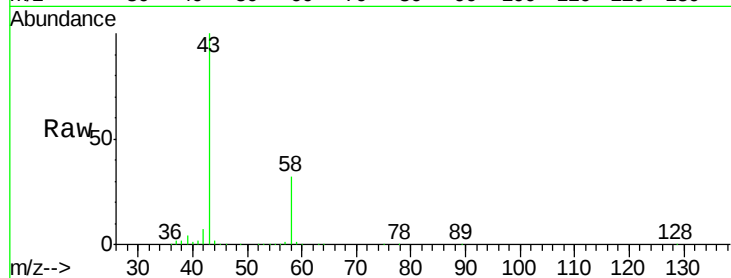
DBET2

Tot Ion: 43 Resp: 3480791

Ion Ratio Lower Upper

43 100

58 32.3 0.0 62.2



#15

Methyl Acetate

Concen: 14.732 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.01 min

Lab File: VV014821.D

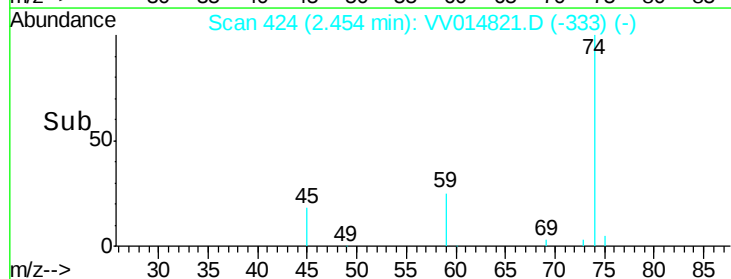
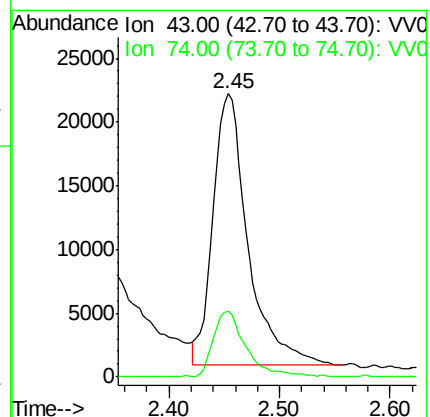
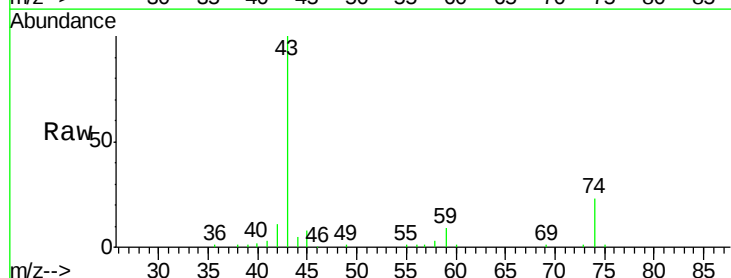
Acq: 10 Mar 2020 23:05

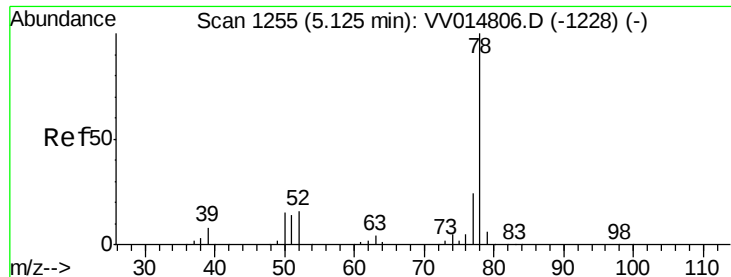
Tgt Ion: 43 Resp: 46675

Ion Ratio Lower Upper

43 100

74 22.4 17.9 26.9

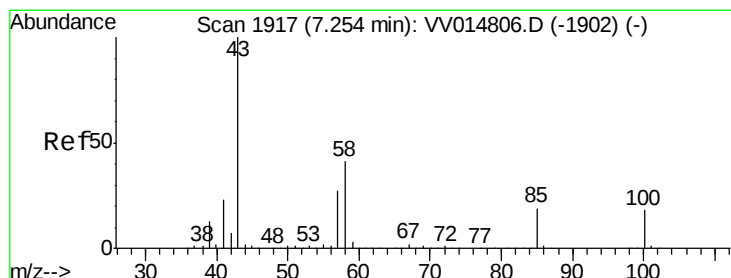
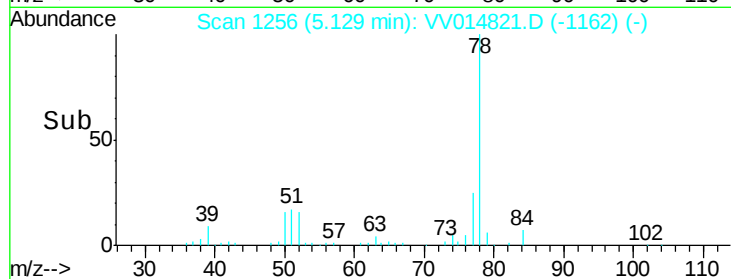
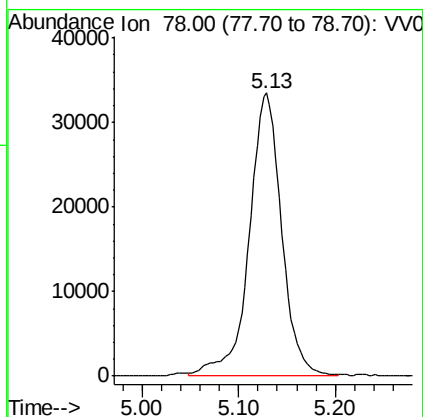
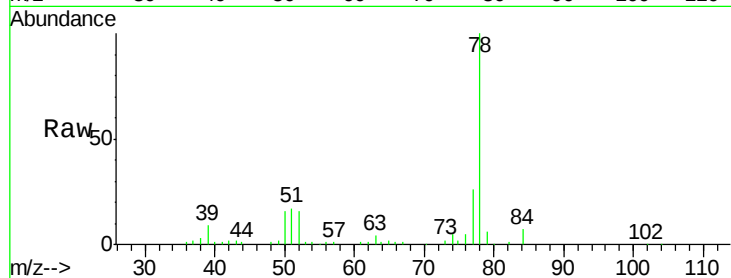




#33
Benzene
Concen: 6.879 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV014821.D
Acq: 10 Mar 2020 23:05

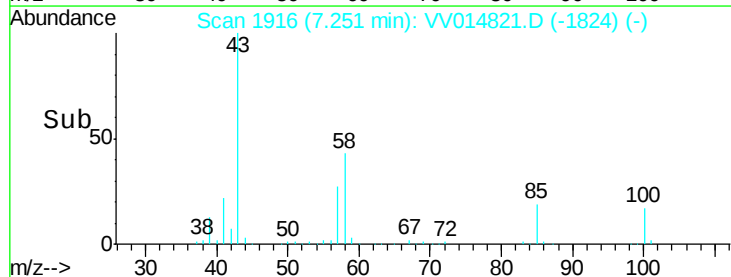
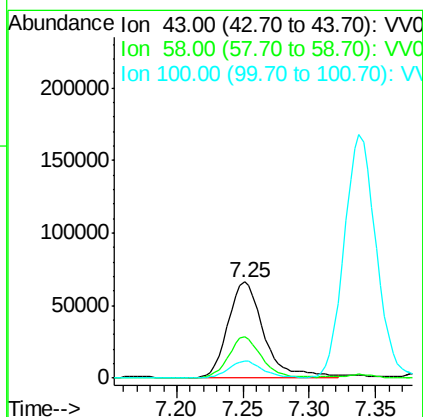
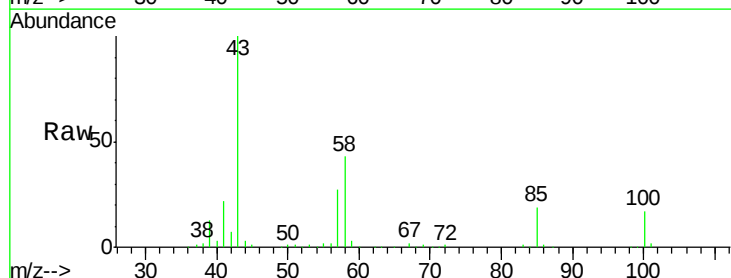
Instrument :
MSVOA_V
ClientSampleId :
DBET2

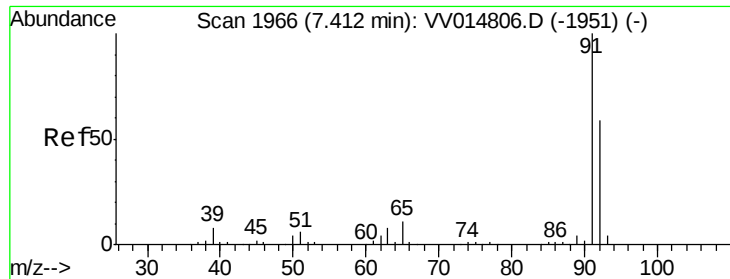
Tgt Ion: 78 Resp: 78138



#40
4-Methyl-2-pentanone
Concen: 27.800 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV014821.D
Acq: 10 Mar 2020 23:05

Tgt Ion: 43 Resp: 123662
Ion Ratio Lower Upper
43 100
58 39.7 31.0 46.4
100 17.3 11.2 16.8#





#42

Toluene

Concen: 1.459 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.00 min

Lab File: VV014821.D

Acq: 10 Mar 2020 23:05

Instrument :

MSVOA_V

ClientSampled :

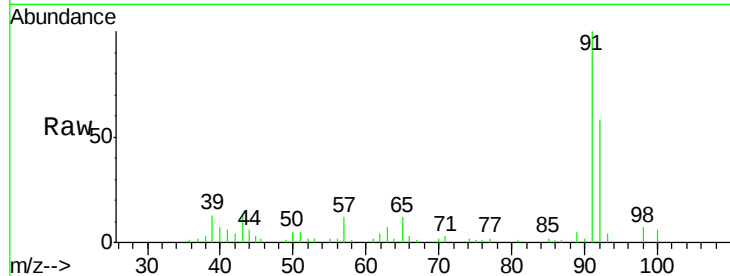
DBET2

Tot Ion: 91 Resp: 18284

Ion Ratio Lower Upper

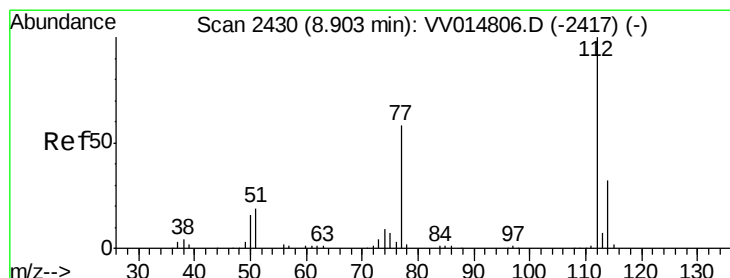
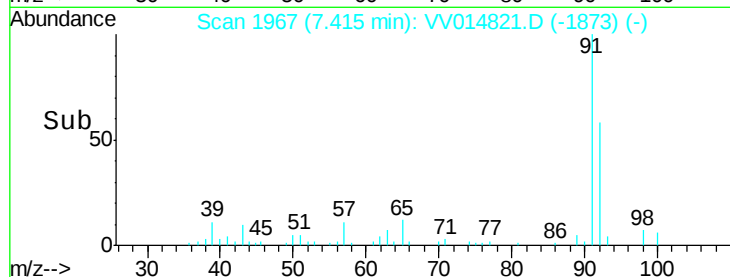
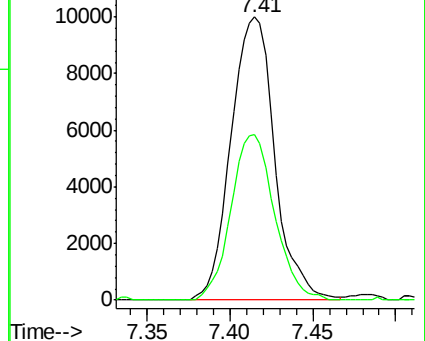
91 100

92 58.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV014806.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV014821.D (-1873) (-)



#51

Chlorobenzene

Concen: 2.821 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014821.D

Acq: 10 Mar 2020 23:05

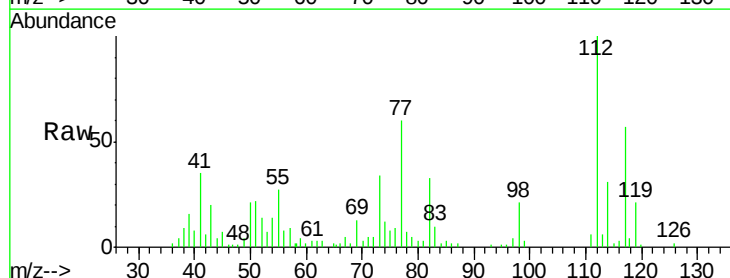
Tgt Ion: 112 Resp: 22743

Ion Ratio Lower Upper

112 100

114 30.8 22.1 41.1

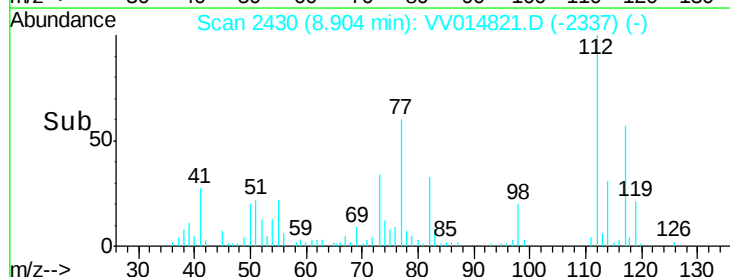
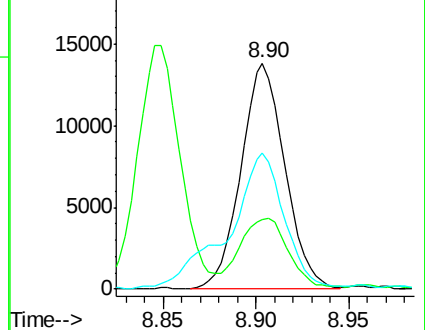
77 59.9 47.8 71.8

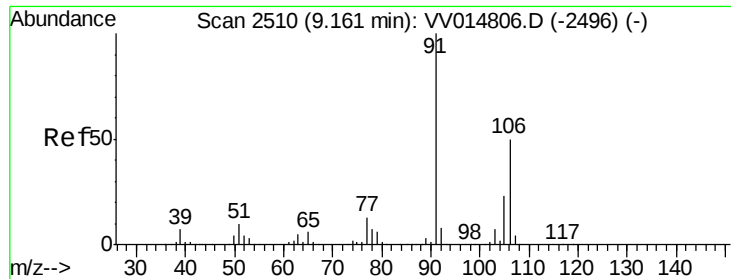


Abundance Ion 112.00 (111.70 to 112.70): VV014806.D (-2417) (-)

Ion 114.00 (113.70 to 114.70): VV014821.D (-2337) (-)

Ion 77.00 (76.70 to 77.70): VV014821.D (-2337) (-)





#53

m,p-Xylene

Concen: 0.992 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV014821.D

Acq: 10 Mar 2020 23:05

Instrument :

MSVOA_V

ClientSampled :

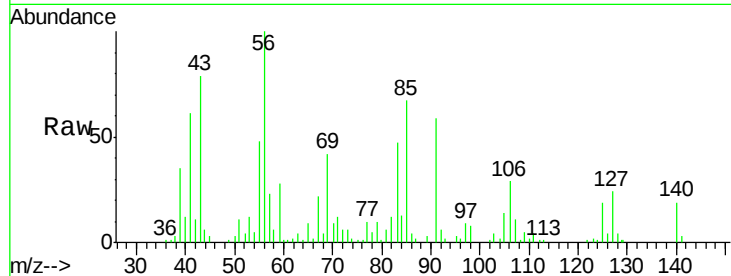
DBET2

Tot Ion:106 Resp: 5255

Ion Ratio Lower Upper

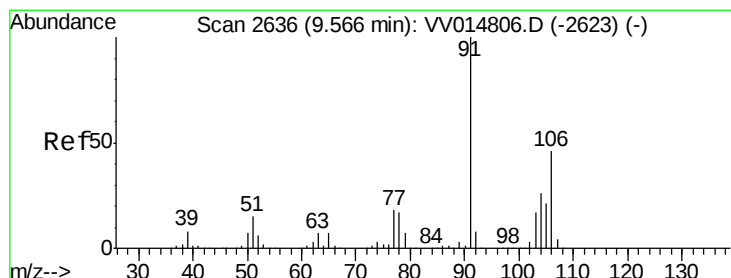
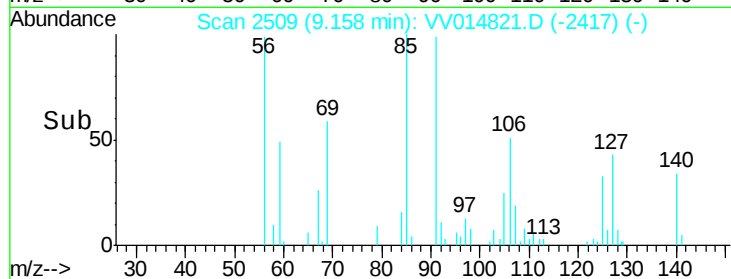
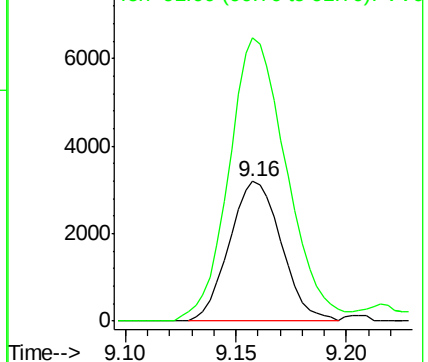
106 100

91 202.8 145.1 269.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 6.775 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV014821.D

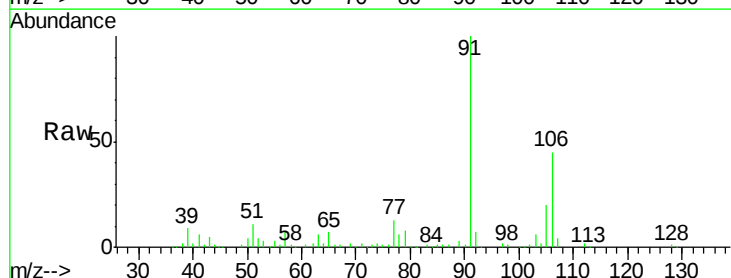
Acq: 10 Mar 2020 23:05

Tgt Ion:106 Resp: 35262

Ion Ratio Lower Upper

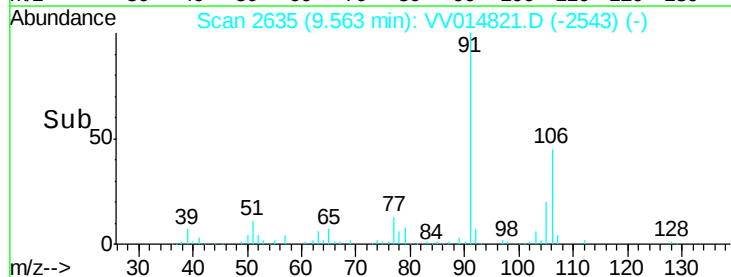
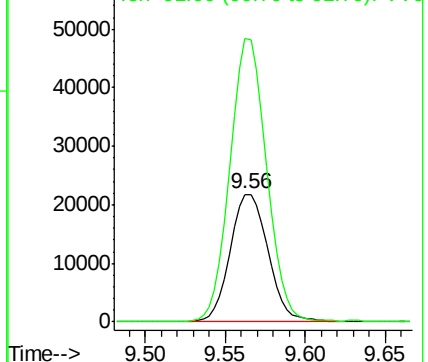
106 100

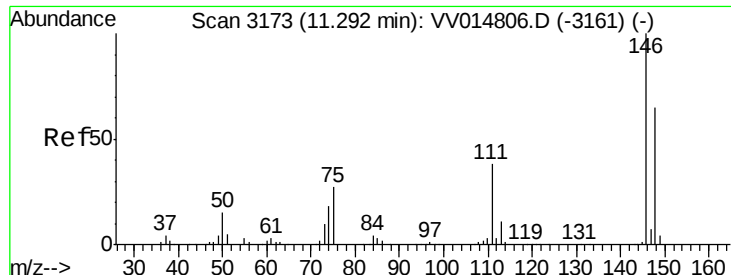
91 221.9 152.5 283.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#63

1,4-Dichlorobenzene

Concen: 0.592 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014821.D

Acq: 10 Mar 2020 23:05

Instrument :

MSVOA_V

ClientSampleId :

DBET2

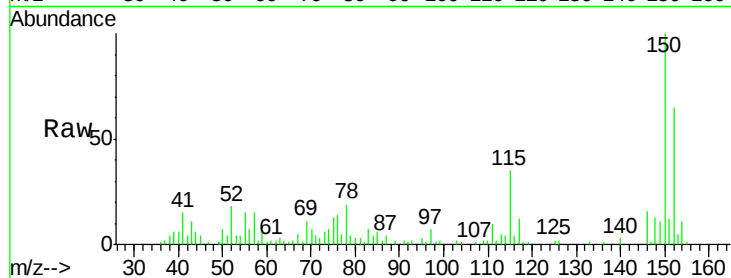
Tot Ion:146 Resp: 3965

Ion Ratio Lower Upper

146 100

111 60.5 26.3 48.9#

148 82.8 44.0 81.8#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

