

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040619\
 Data File : VV010159.D
 Acq On : 06 Apr 2019 17:46
 Operator : SY/MD
 Sample : K2188-06
 Misc : 3.13G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF662RE

Quant Time: Apr 07 00:54:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 00:49:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	263549	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	185758	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	51581	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58286	16.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.08%
7) Chloroethane-d5	1.58	69	61687	14.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.32%
10) 1,1-Dichloroethene-d2	2.13	63	127529	14.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.32%
20) 2-Butanone-d5	3.94	46	32607	32.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.96%
24) Chloroform-d	4.40	84	144935	21.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.32%
26) 1,2-Dichloroethane-d4	5.08	65	76253	20.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.12%
29) Benzene-d6	5.10	84	284780	29.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.24%
33) 1,2-Dichloropropane-d6	6.12	67	84933	29.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.48%
37) Toluene-d8	7.36	98	236813	25.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.04%
38) trans-1,3-Dichloropropene-	7.67	79	13976	11.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	46.00%
39) 2-Hexanone-d5	8.13	63	22561	39.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.14%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	41145	14.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	58.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	37534	18.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.72%#

Target Compounds

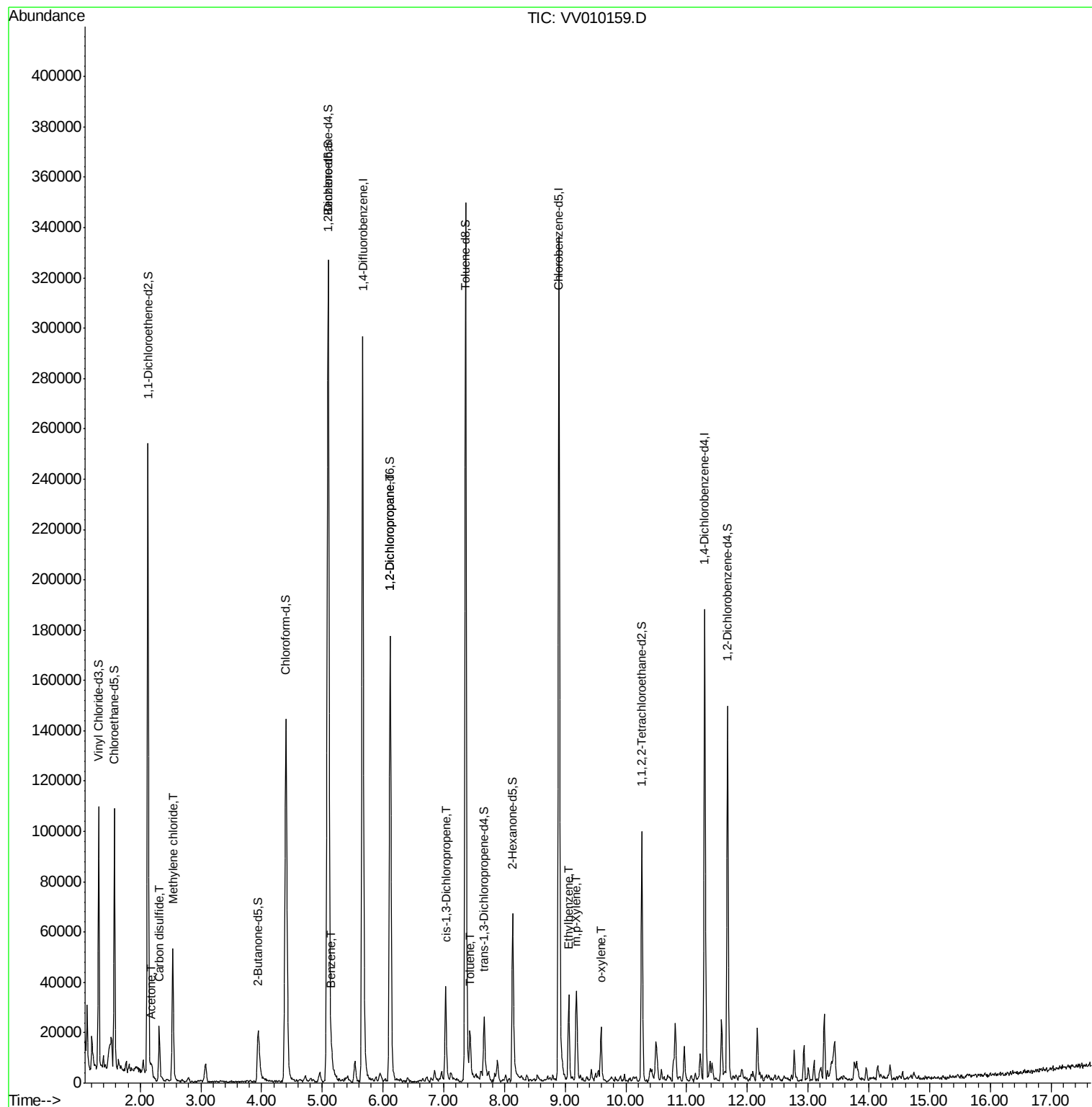
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.20	43	4269	4.301	ug/L	92
14) Carbon disulfide	2.32	76	22568	3.018	ug/L	99
16) Methylene chloride	2.53	84	23107	4.990	ug/L	91
34) Benzene	5.15	78	7651	0.842	ug/L	100
40) 1,2-Dichloropropane	6.12	63	9399	4.095	ug/L #	86
42) cis-1,3-Dichloropropene	7.03	75	1062	0.320	ug/L #	71
44) Toluene	7.43	91	12878	1.263	ug/L	91
53) Ethylbenzene	9.05	91	23971	2.144	ug/L	100
54) m,p-Xylene	9.18	106	10045	2.309	ug/L	96
55) o-xylene	9.59	106	5873	1.393	ug/L	83

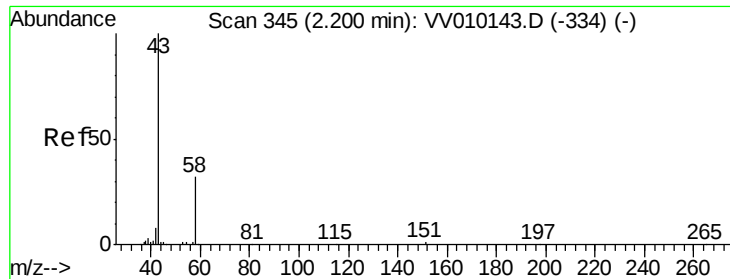
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.301 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV010159.D

Acq: 06 Apr 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

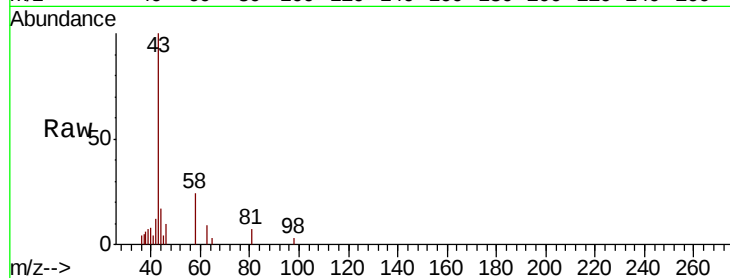
BF662RE

Tgt Ion: 43 Resp: 4269

Ion Ratio Lower Upper

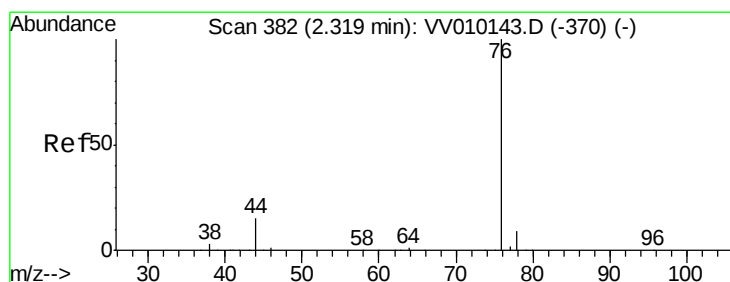
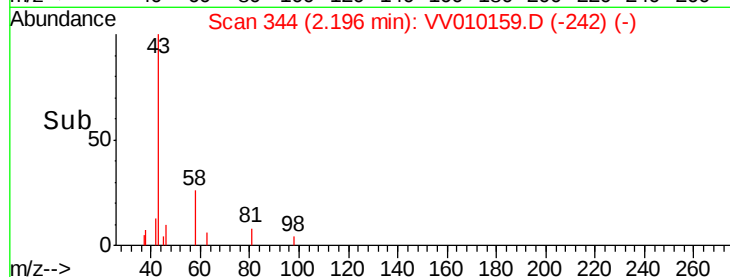
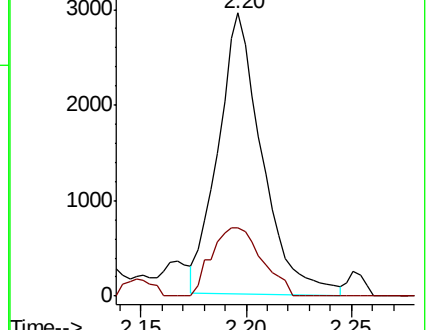
43 100

58 27.7 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010143.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV010143.D (-334) (-)



#14

Carbon disulfide

Concen: 3.018 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010159.D

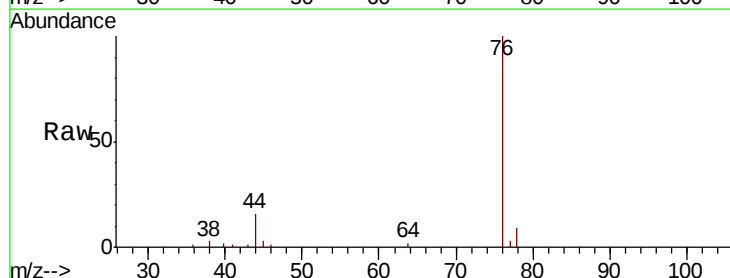
Acq: 06 Apr 2019 17:46

Tgt Ion: 76 Resp: 22568

Ion Ratio Lower Upper

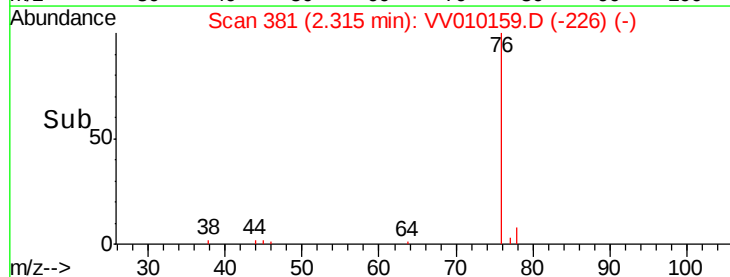
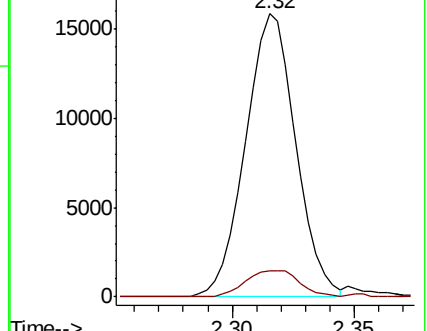
76 100

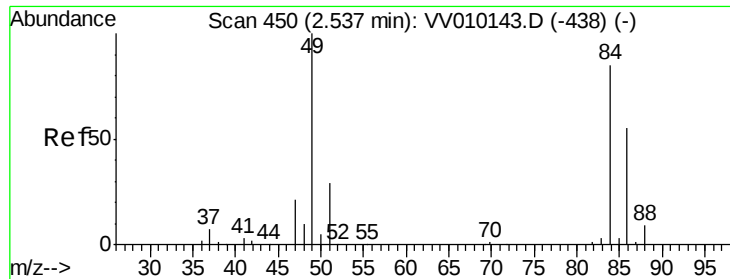
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV010143.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV010143.D (-370) (-)

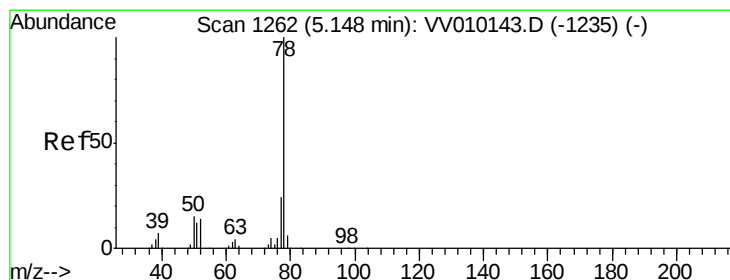
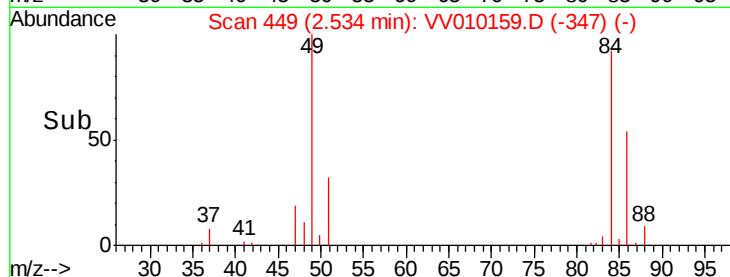
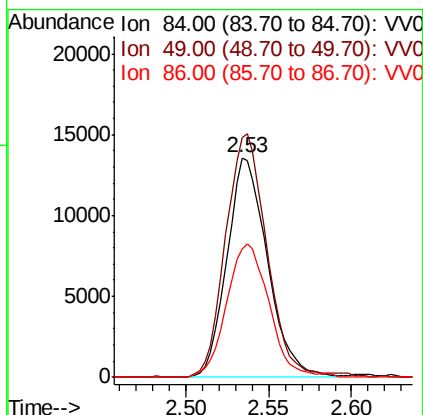
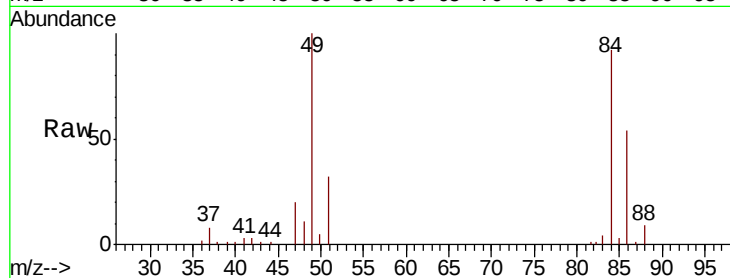




#16
Methylene chloride
Concen: 4.990 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010159.D
Acq: 06 Apr 2019 17:46

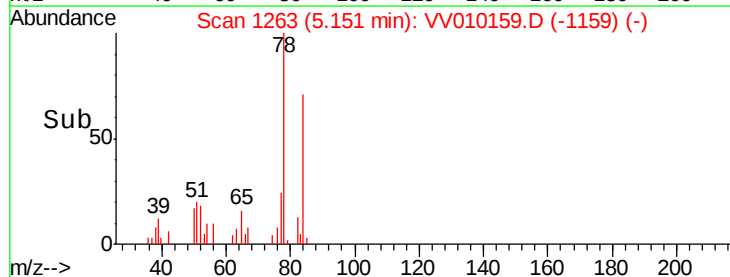
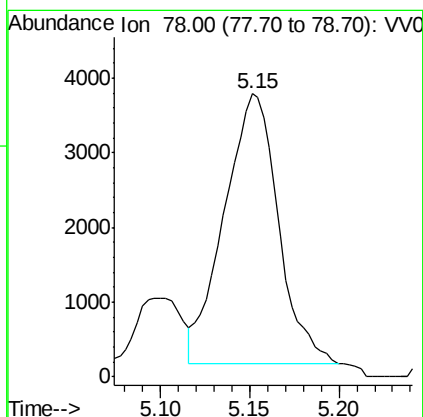
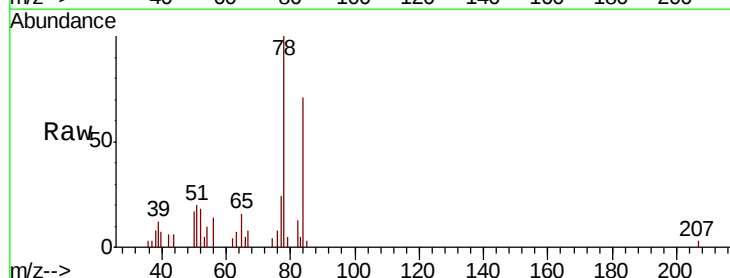
Instrument :
MSVOA_V
ClientSampleId :
BF662RE

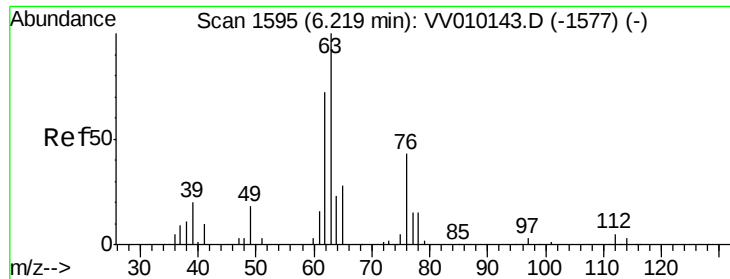
Tgt Ion: 84 Resp: 23107
Ion Ratio Lower Upper
84 100
49 109.1 84.3 156.5
86 58.6 45.4 84.2



#34
Benzene
Concen: 0.842 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV010159.D
Acq: 06 Apr 2019 17:46

Tgt Ion: 78 Resp: 7651

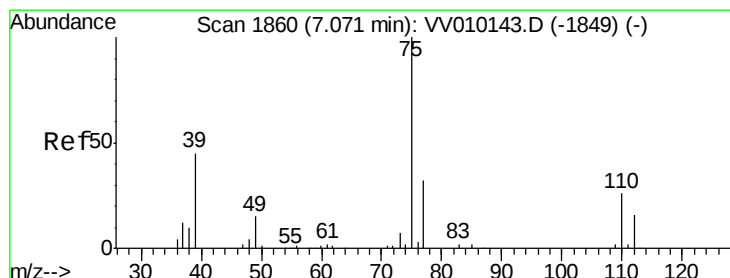
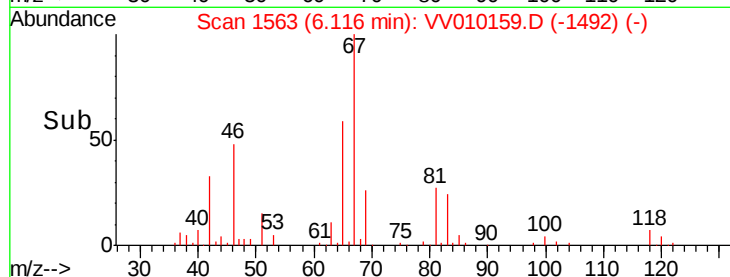
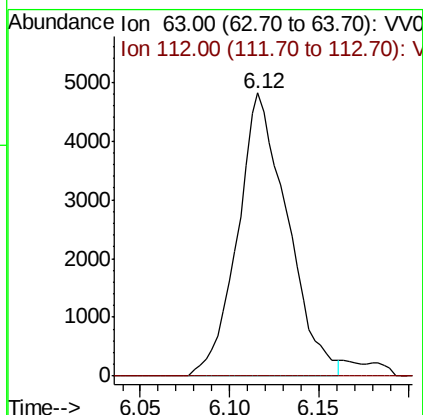
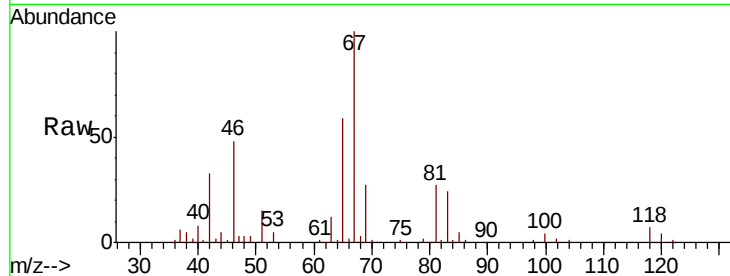




#40
 1,2-Dichloropropane
 Concen: 4.095 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV010159.D
 Acq: 06 Apr 2019 17:46

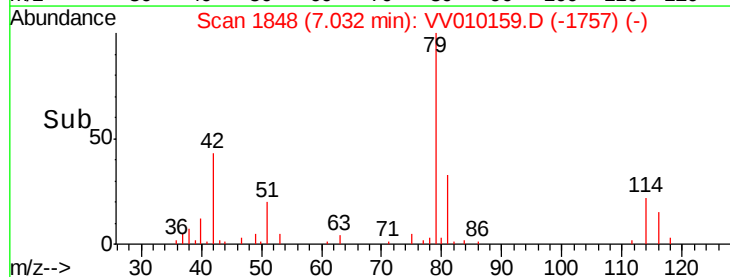
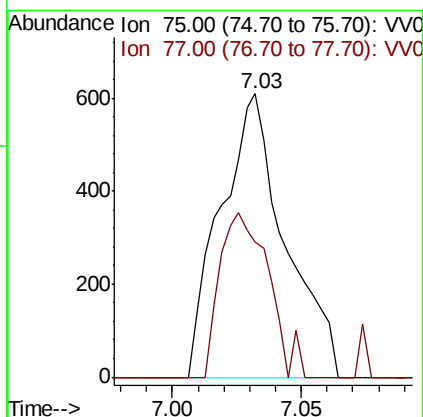
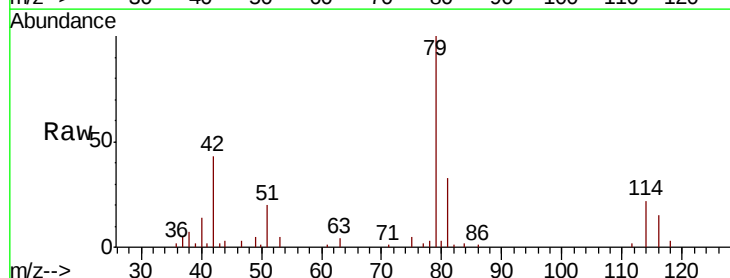
Instrument :
 MSVOA_V
 ClientSampled :
 BF662RE

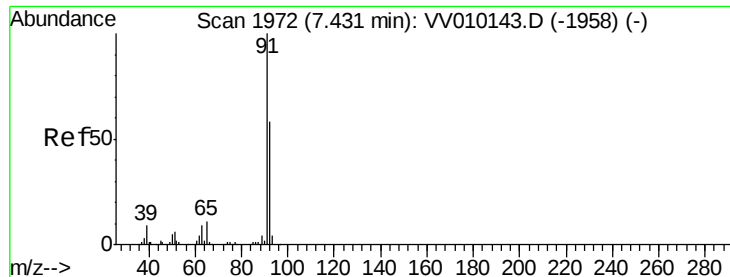
Tgt Ion: 63 Resp: 9399
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.320 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV010159.D
 Acq: 06 Apr 2019 17:46

Tgt Ion: 75 Resp: 1062
 Ion Ratio Lower Upper
 75 100
 77 47.9 22.1 41.1#





#44

Toluene

Concen: 1.263 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010159.D

Acq: 06 Apr 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

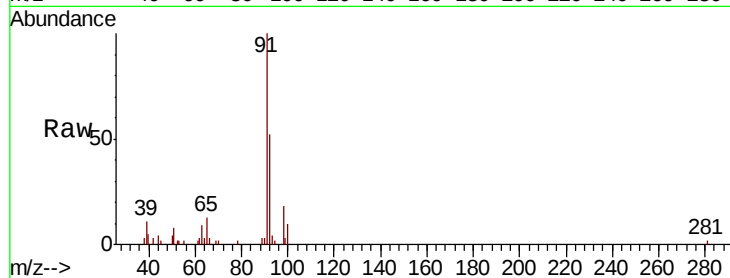
BF662RE

Tgt Ion: 91 Resp: 12878

Ion Ratio Lower Upper

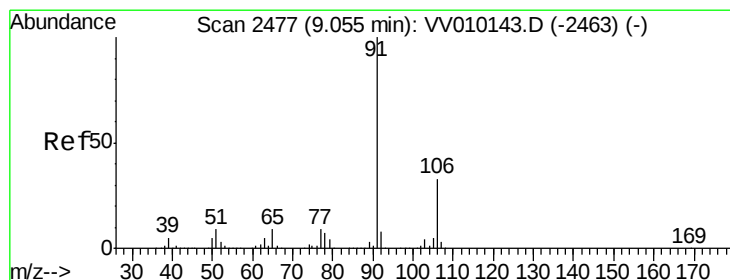
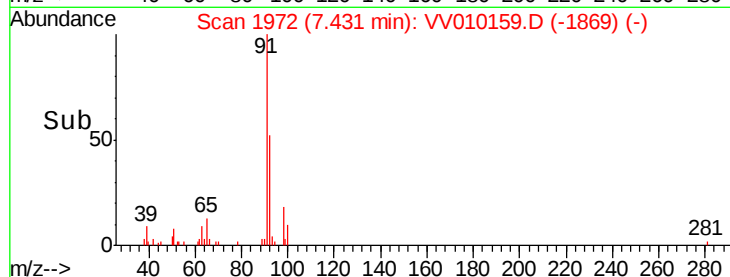
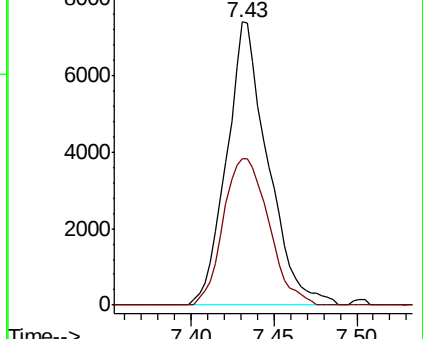
91 100

92 51.5 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010143.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010143.D (-1958) (-)



#53

Ethylbenzene

Concen: 2.144 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010159.D

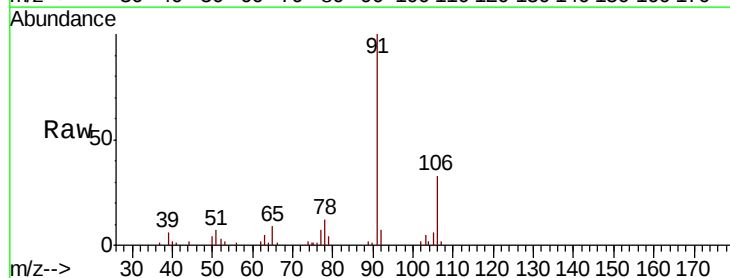
Acq: 06 Apr 2019 17:46

Tgt Ion: 91 Resp: 23971

Ion Ratio Lower Upper

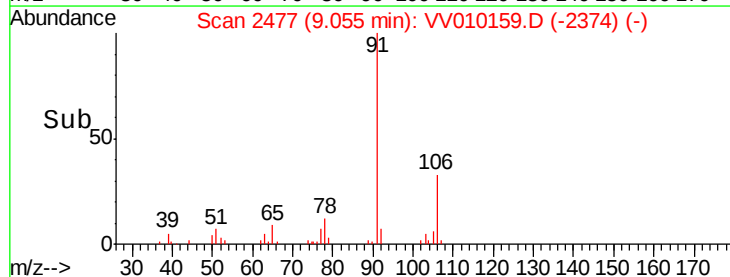
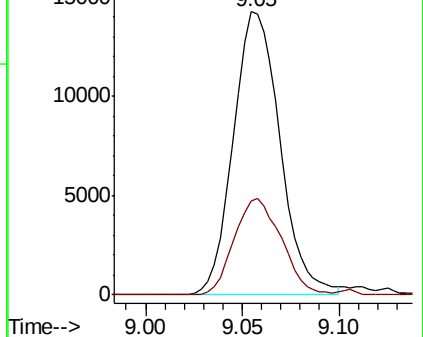
91 100

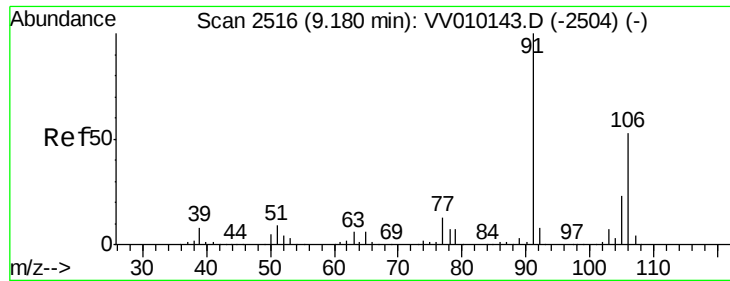
106 33.2 23.1 42.9



Abundance Ion 91.00 (90.70 to 91.70): VV010143.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV010143.D (-2463) (-)





#54

m,p-Xylene

Concen: 2.309 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010159.D

Acq: 06 Apr 2019 17:46

Instrument :

MSVOA_V

ClientSampleId :

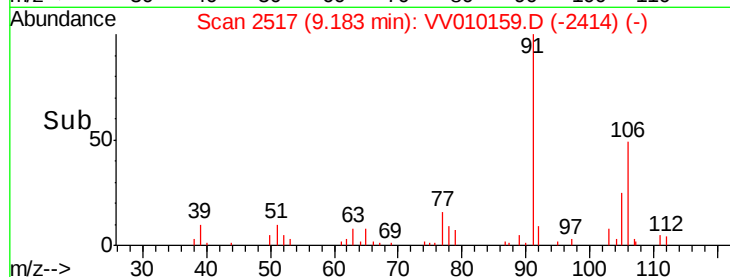
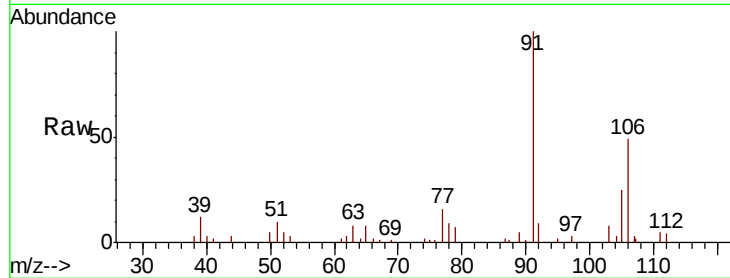
BF662RE

Tgt Ion:106 Resp: 10045

Ion Ratio Lower Upper

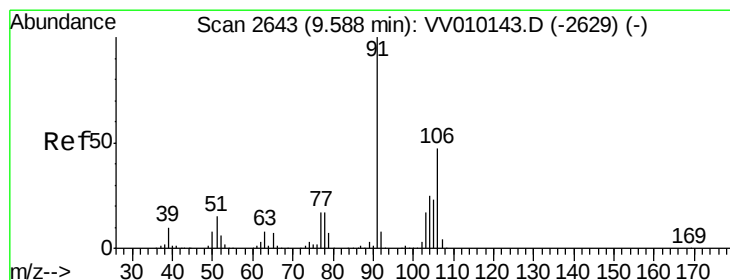
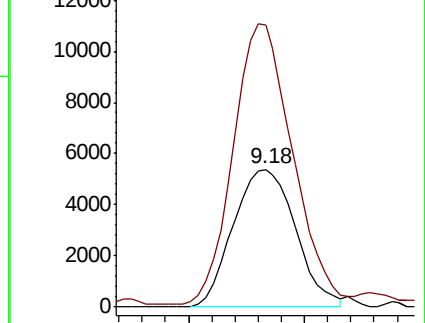
106 100

91 205.2 139.3 258.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 1.393 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV010159.D

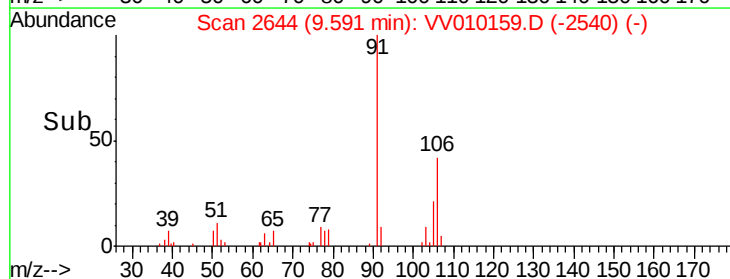
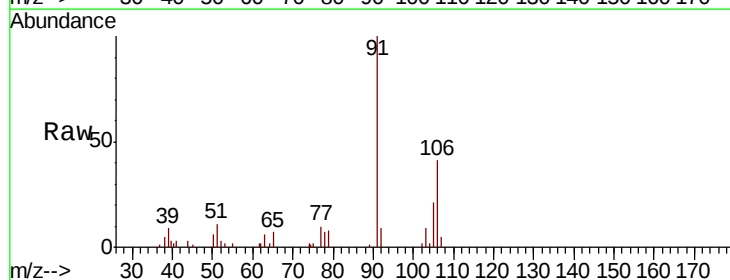
Acq: 06 Apr 2019 17:46

Tgt Ion:106 Resp: 5873

Ion Ratio Lower Upper

106 100

91 241.7 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

