

Data File : VW009643.D
Acq On : 02 Apr 2019 00:16
Operator : SY/VA
Sample : K2119-18
Misc : 4.98G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B4

Quant Time: Apr 02 01:40:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 02 01:34:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	429229	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	405293	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171334	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	118619	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.52%
7) Chloroethane-d5	2.89	69	116285	19.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.52%
10) 1,1-Dichloroethene-d2	4.01	63	187520	16.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.64%
20) 2-Butanone-d5	7.08	46	93722	44.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.36%
24) Chloroform-d	7.65	84	274804	23.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.84%
26) 1,2-Dichloroethane-d4	8.30	65	169491	24.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.08%
29) Benzene-d6	8.27	84	485565	21.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.88%
33) 1,2-Dichloropropane-d6	9.27	67	155134	23.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.44%
37) Toluene-d8	10.32	98	412436	19.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.84%
38) trans-1,3-Dichloropropene-	10.57	79	60991	18.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.36%
39) 2-Hexanone-d5	10.92	63	63855	39.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	145021	21.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	141897	21.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.40%

Target Compounds

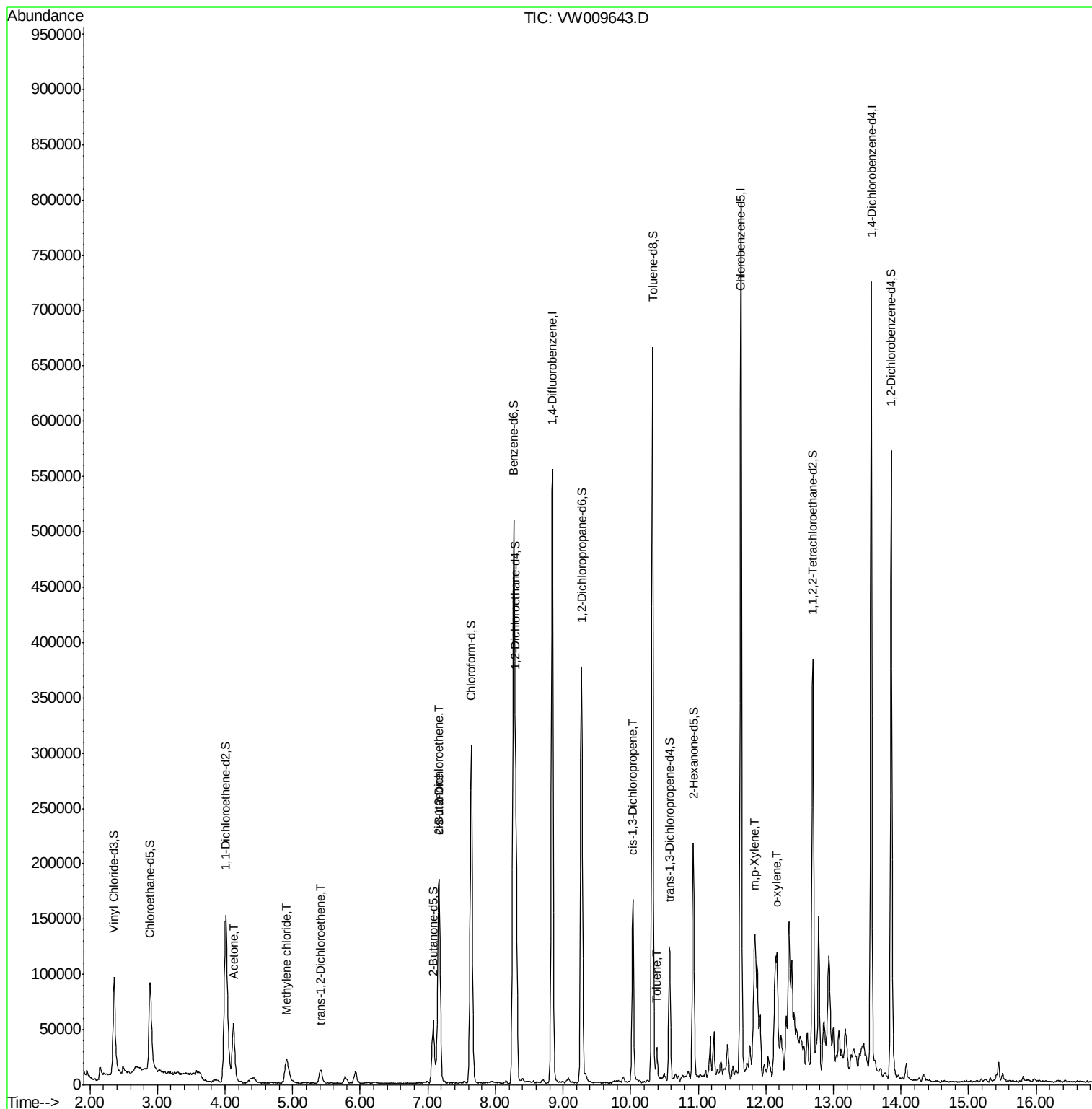
					Qvalue
13) Acetone	4.12	43	92457	53.150 ug/L	99
16) Methylene chloride	4.92	84	18090	2.890 ug/L	88
18) trans-1,2-Dichloroethene	5.42	96	6295	1.133 ug/L	96
21) 2-Butanone	7.17	43	31398	13.072 ug/L	79
22) cis-1,2-Dichloroethene	7.17	96	93293	15.497 ug/L	97
42) cis-1,3-Dichloropropene	10.04	75	5121	0.552 ug/L	89
44) Toluene	10.39	91	20249	0.835 ug/L	92
54) m,p-Xylene	11.84	106	33160	3.201 ug/L	94
55) o-xylene	12.16	106	19380	1.918 ug/L	95

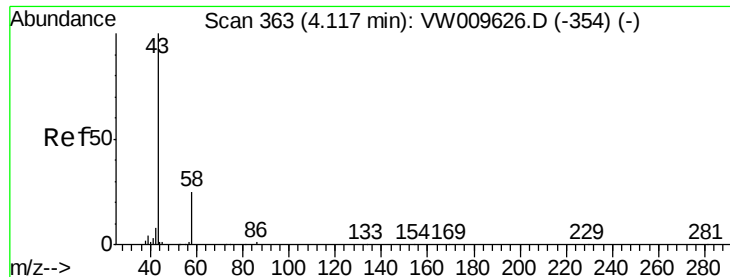
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 53.150 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009643.D

Acq: 02 Apr 2019 00:16

Instrument :

MSVOA_W

ClientSampleId :

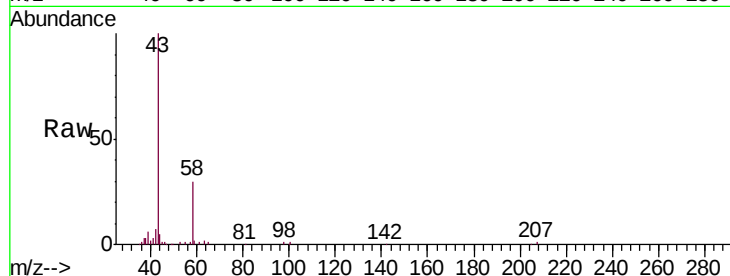
BF5B4

Tgt Ion: 43 Resp: 92457

Ion Ratio Lower Upper

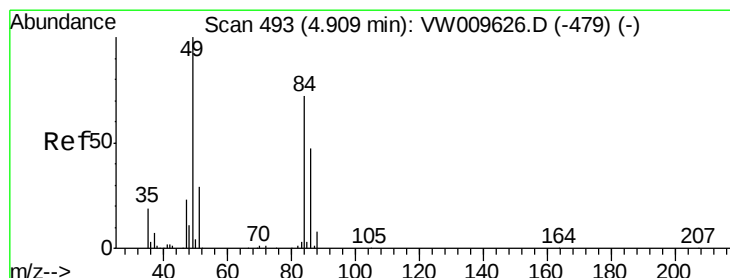
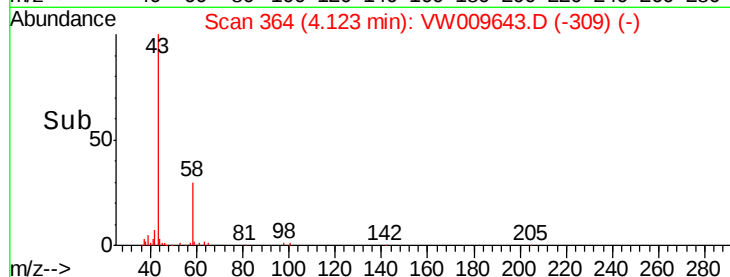
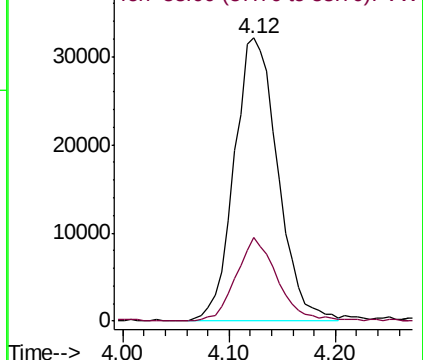
43 100

58 27.8 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.890 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW009643.D

Acq: 02 Apr 2019 00:16

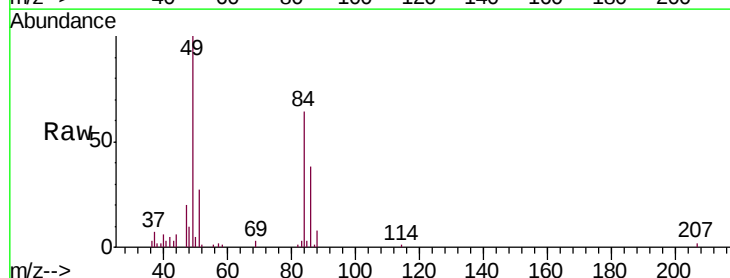
Tgt Ion: 84 Resp: 18090

Ion Ratio Lower Upper

84 100

49 155.3 96.0 178.2

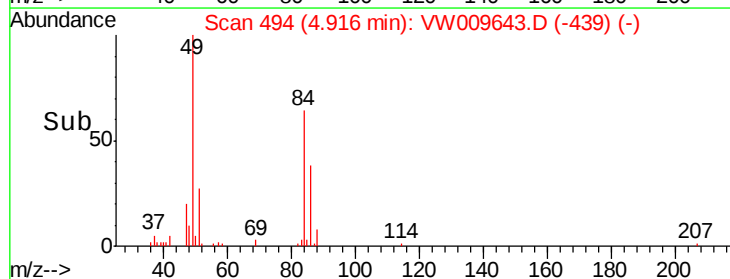
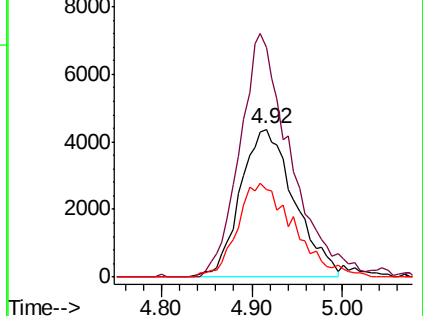
86 59.0 44.4 82.5

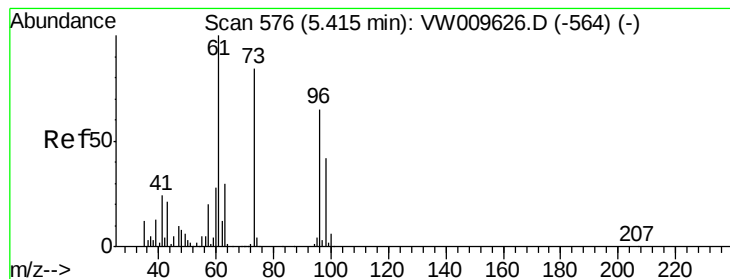


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#18

trans-1,2-Dichloroethene

Concen: 1.133 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009643.D

Acq: 02 Apr 2019 00:16

Instrument :

MSVOA_W

ClientSampleId :

BF5B4

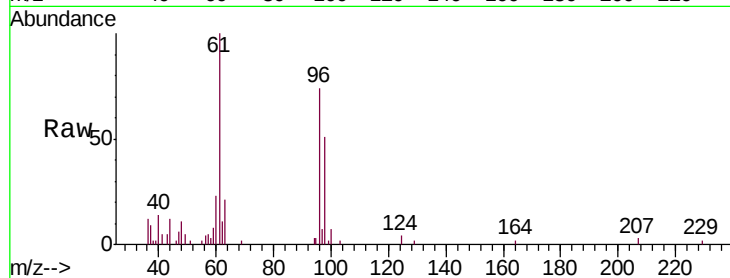
Tgt Ion: 96 Resp: 6295

Ion Ratio Lower Upper

96 100

61 134.7 96.7 179.5

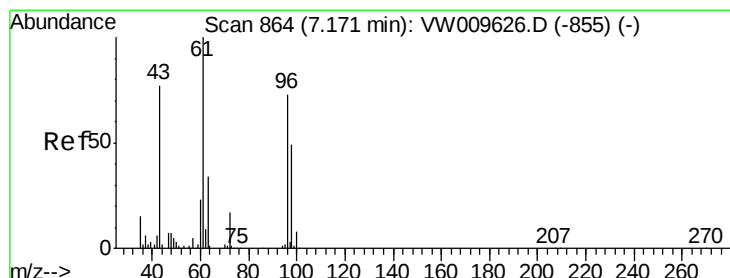
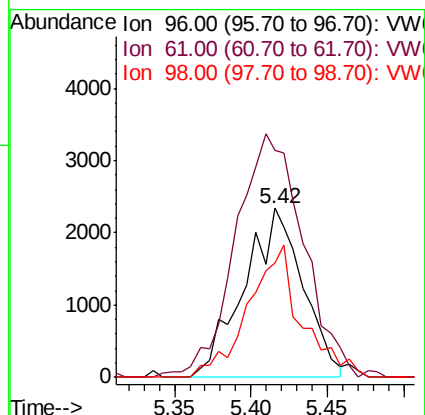
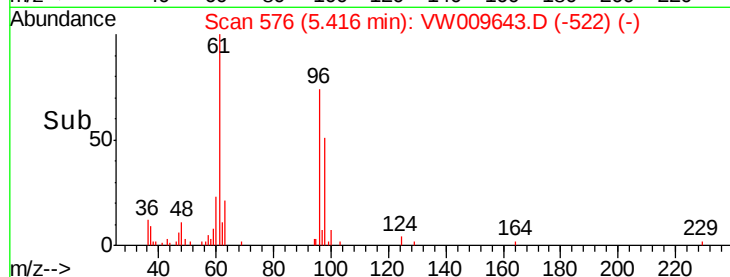
98 68.1 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#21

2-Butanone

Concen: 13.072 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009643.D

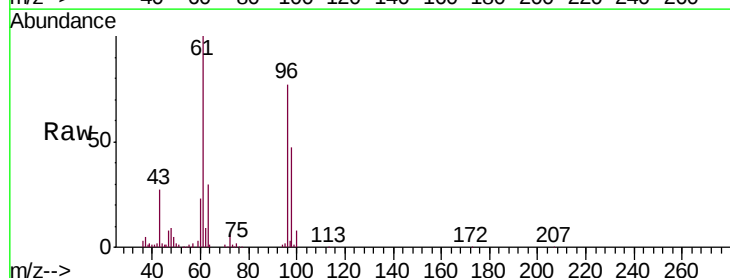
Acq: 02 Apr 2019 00:16

Tgt Ion: 43 Resp: 31398

Ion Ratio Lower Upper

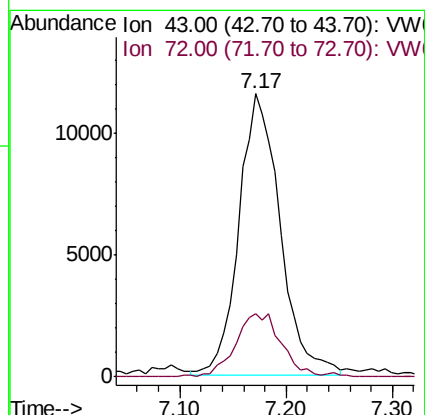
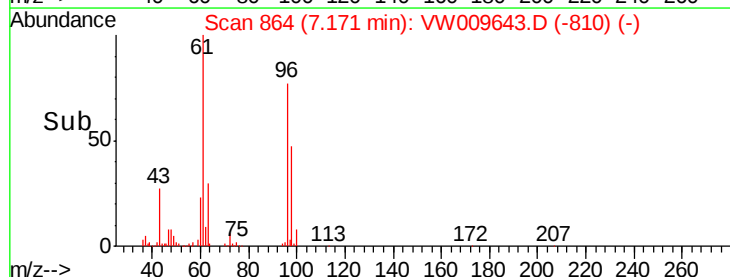
43 100

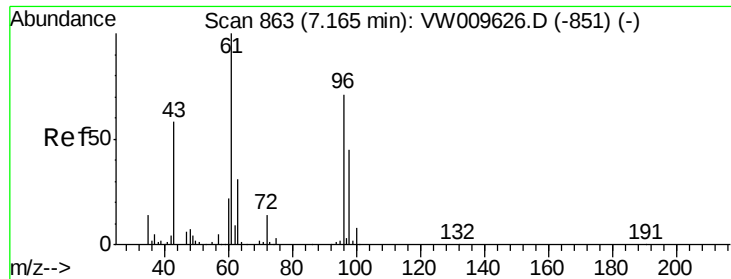
72 15.3 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



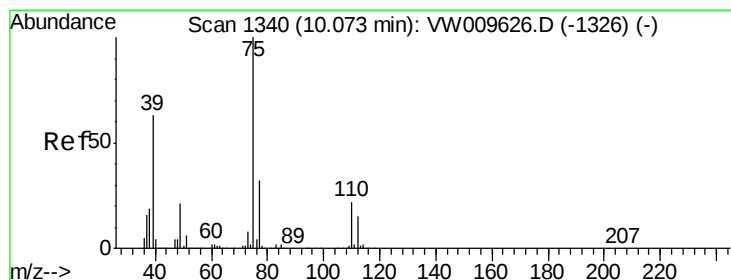
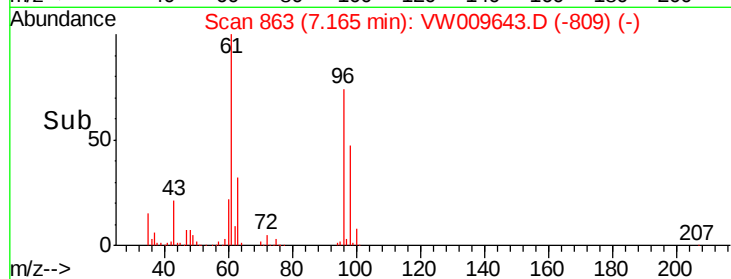
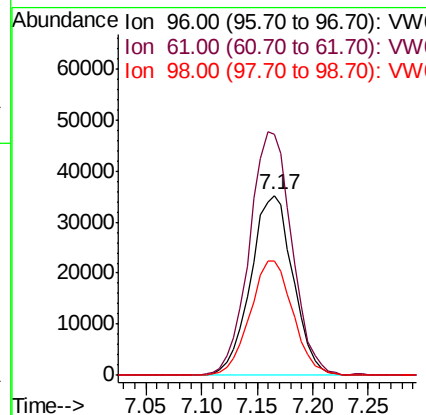
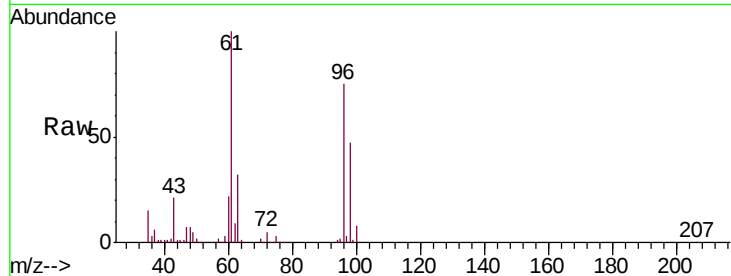


#22

cis-1,2-Dichloroethene
Concen: 15.497 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009643.D
Acq: 02 Apr 2019 00:16

Instrument :
MSVOA_W
ClientSampled :
BF5B4

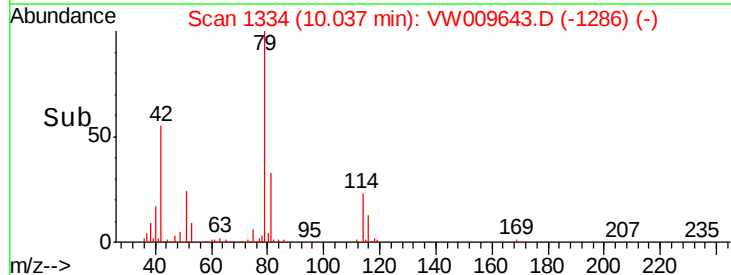
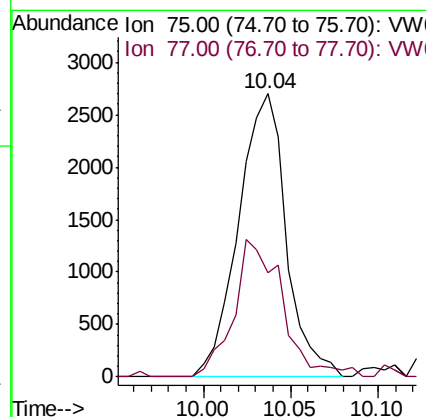
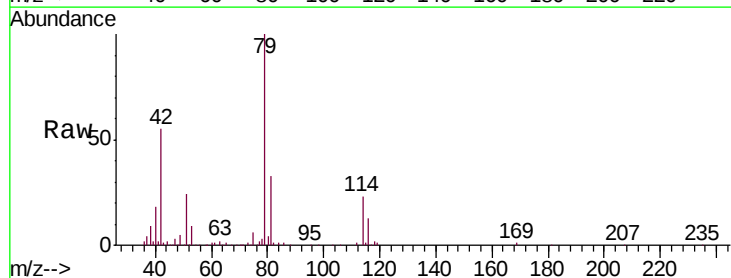
Tgt Ion: 96 Resp: 93293
Ion Ratio Lower Upper
96 100
61 134.2 90.6 168.3
98 63.3 44.0 81.8

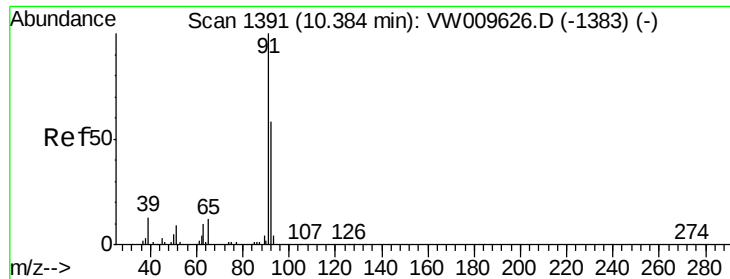


#42

cis-1,3-Dichloropropene
Concen: 0.552 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW009643.D
Acq: 02 Apr 2019 00:16

Tgt Ion: 75 Resp: 5121
Ion Ratio Lower Upper
75 100
77 36.9 21.6 40.2





#44

Toluene

Concen: 0.835 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009643.D

Acq: 02 Apr 2019 00:16

Instrument :

MSVOA_W

ClientSampleId :

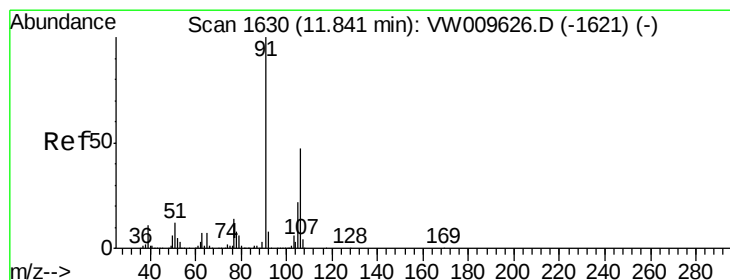
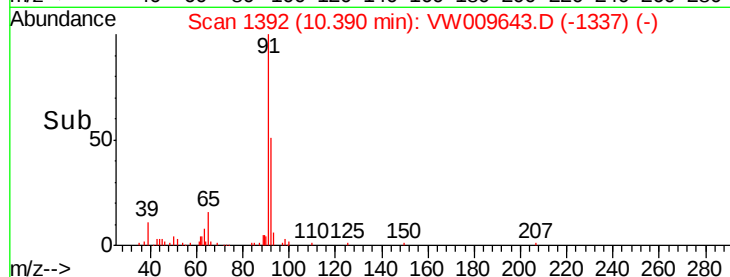
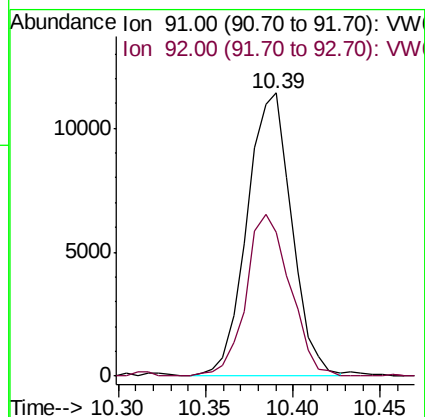
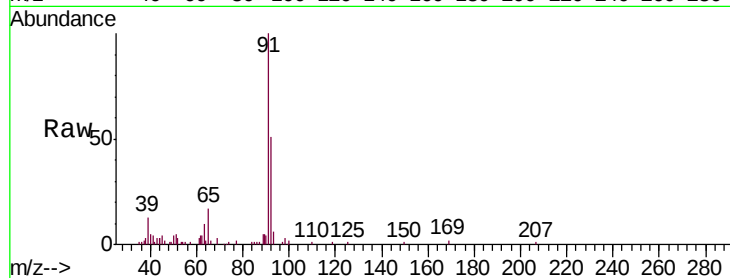
BF5B4

Tgt Ion: 91 Resp: 20249

Ion Ratio Lower Upper

91 100

92 51.0 39.8 73.8



#54

m,p-Xylene

Concen: 3.201 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009643.D

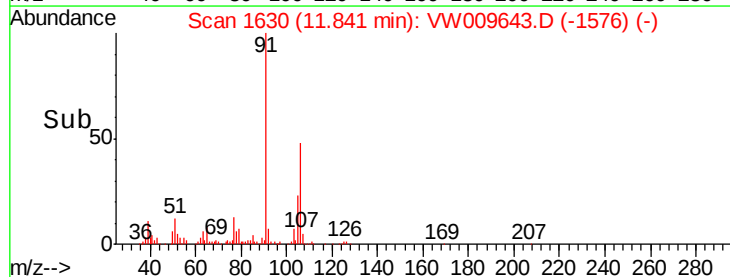
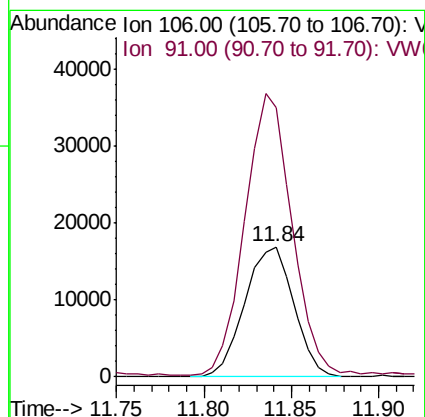
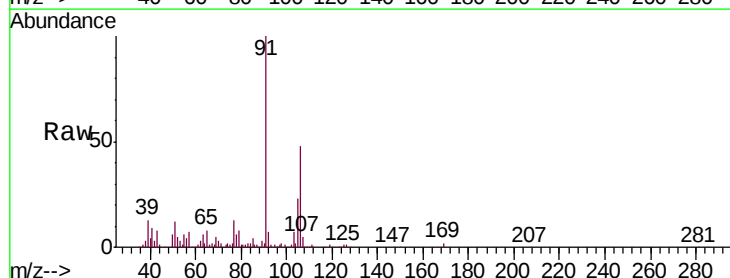
Acq: 02 Apr 2019 00:16

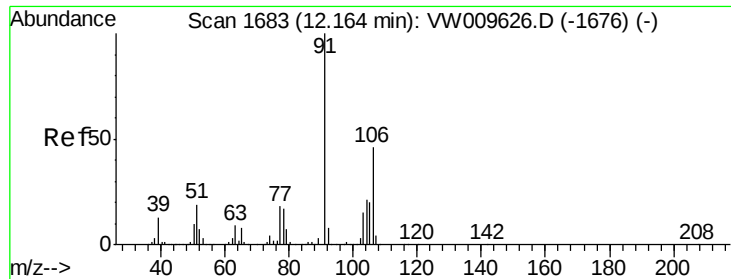
Tgt Ion: 106 Resp: 33160

Ion Ratio Lower Upper

106 100

91 206.9 138.4 257.0





#55
o-xylene
Concen: 1.918 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009643.D
Acq: 02 Apr 2019 00:16

Instrument :
MSVOA_W
ClientSampleId :
BF5B4

Tgt Ion:106 Resp: 19380
Ion Ratio Lower Upper
106 100
91 226.1 153.2 284.4

