

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010724.D
 Acq On : 08 May 2019 11:31
 Operator : SY/MD
 Sample : K2690-13
 Misc : 6.13G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5159

Quant Time: May 09 02:50:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 02:24:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	69824	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	67793	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	25873	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	18165	16.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.00%
7) Chloroethane-d5	1.57	69	17366	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.80%
10) 1,1-Dichloroethene-d2	2.12	63	34084	14.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.96%
20) 2-Butanone-d5	3.93	46	24666	75.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	151.56%#
24) Chloroform-d	4.40	84	41573	21.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.36%
26) 1,2-Dichloroethane-d4	5.08	65	30666	25.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.16%
29) Benzene-d6	5.09	84	78140	21.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.60%
33) 1,2-Dichloropropane-d6	6.11	67	27446	24.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.56%
37) Toluene-d8	7.36	98	66856	19.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.28%
38) trans-1,3-Dichloropropene-	7.66	79	9403	18.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.56%
39) 2-Hexanone-d5	8.13	63	15523	65.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	32234	30.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.68%#
61) 1,2-Dichlorobenzene-d4	11.67	152	24732	24.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.72%

Target Compounds

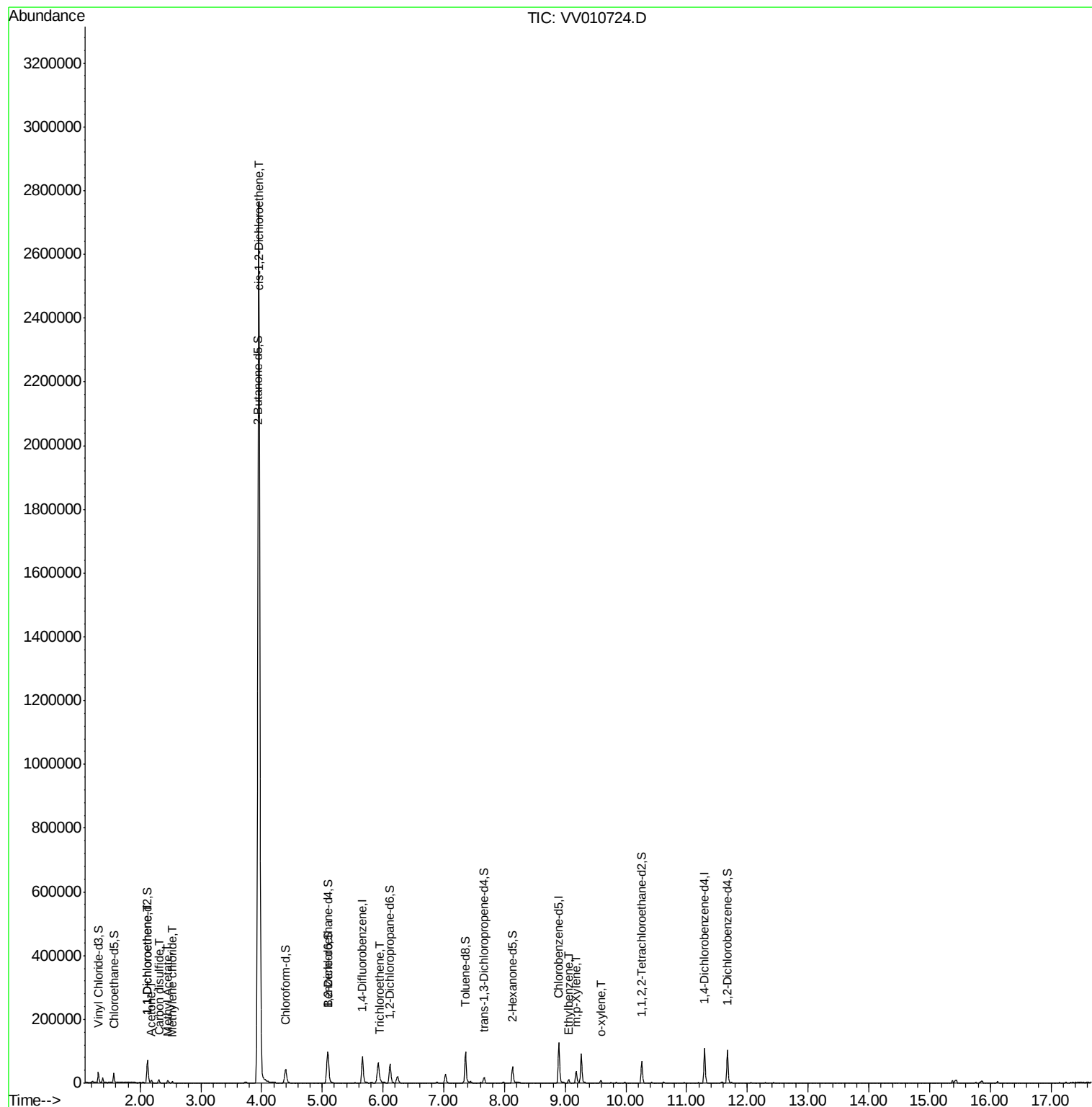
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	6312	5.742	ug/L #	18
13) Acetone	2.19	43	5825	11.559	ug/L	90
14) Carbon disulfide	2.31	76	9520	3.524	ug/L	99
15) Methyl Acetate	2.46	43	8035	13.347	ug/L	99
16) Methylene chloride	2.53	84	1552	1.438	ug/L	88
22) cis-1,2-Dichloroethene	3.96	96	1424759	1255.215	ug/L	97
35) Trichloroethene	5.96	95	1895	1.700	ug/L #	1
53) Ethylbenzene	9.06	91	7832	1.494	ug/L	91
54) m,p-Xylene	9.18	106	10007	5.111	ug/L	95
55) o-xylene	9.59	106	1999	1.029	ug/L	72

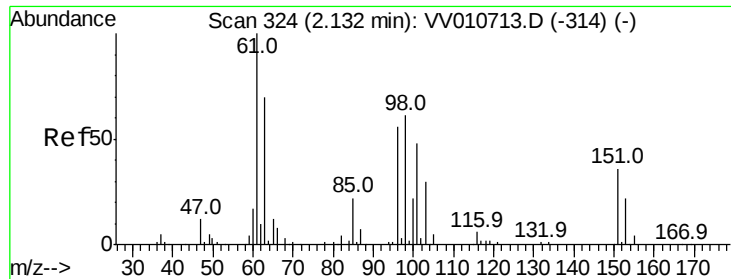
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu May 09 02:24:26 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 5.742 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV010724.D

Acq: 08 May 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

A5159

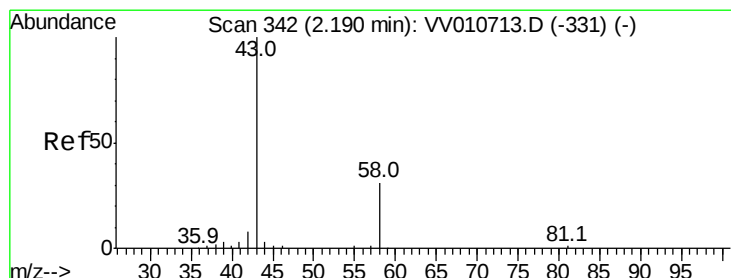
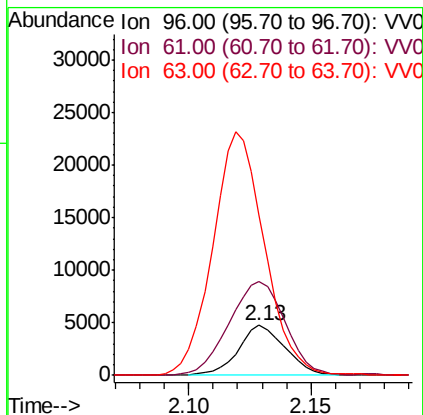
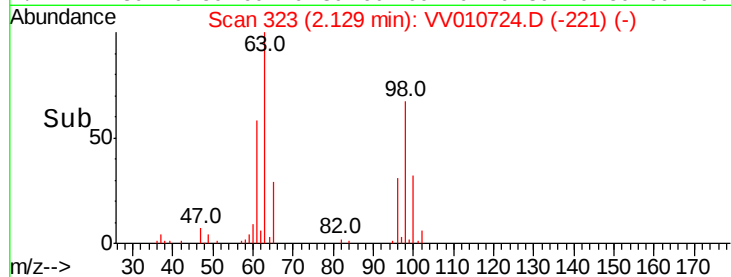
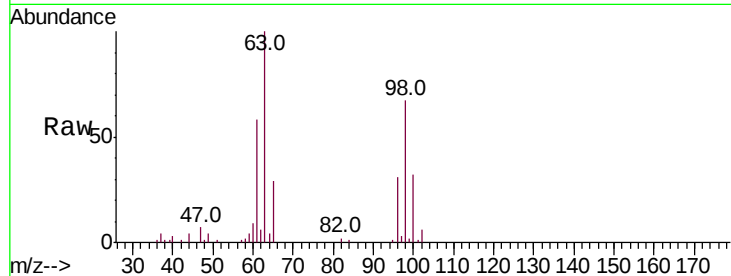
Tot Ion: 96 Resp: 6312

Ion Ratio Lower Upper

96 100

61 187.7 120.3 223.3

63 322.7 82.9 153.9#



#13

Acetone

Concen: 11.559 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010724.D

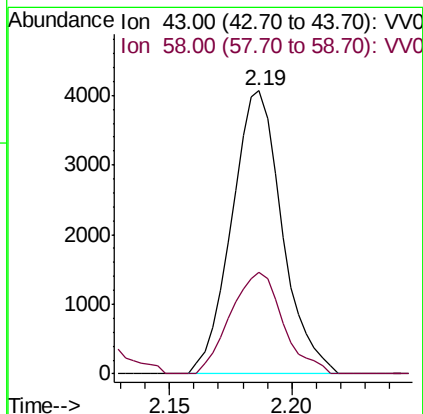
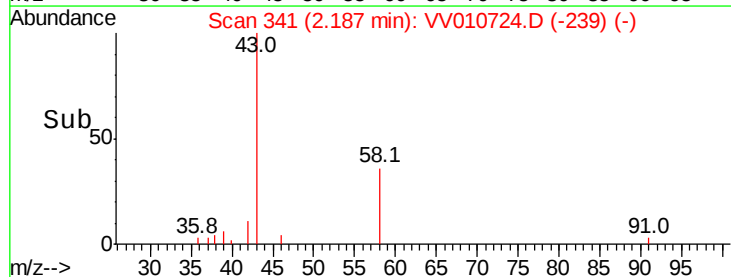
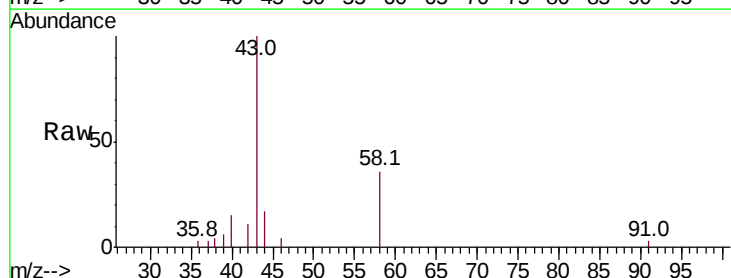
Acq: 08 May 2019 11:31

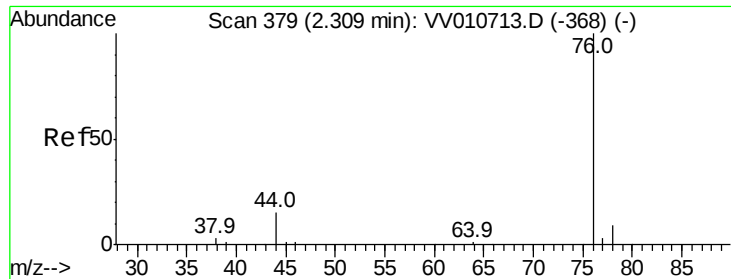
Tgt Ion: 43 Resp: 5825

Ion Ratio Lower Upper

43 100

58 37.4 0.0 63.4





#14

Carbon disulfide

Concen: 3.524 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV010724.D

Acq: 08 May 2019 11:31

Instrument :

MSVOA_V

ClientSampled :

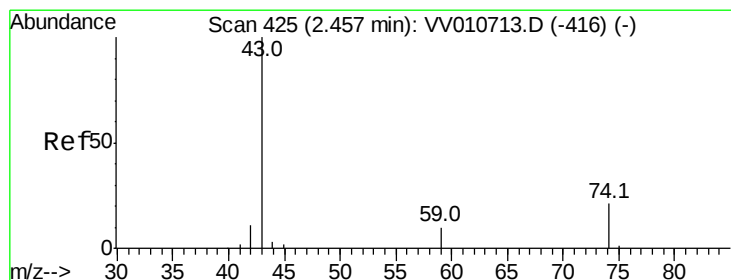
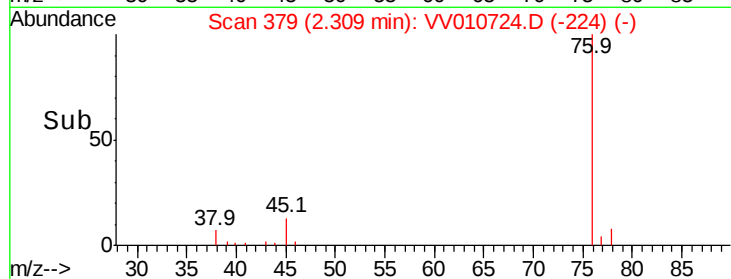
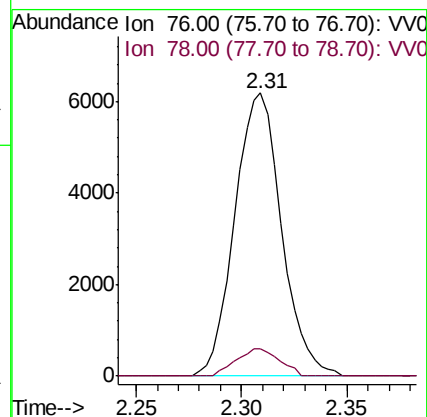
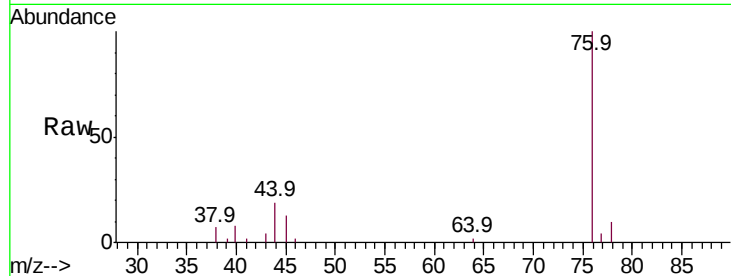
A5159

Tot Ion: 76 Resp: 9520

Ion Ratio Lower Upper

76 100

78 9.6 7.8 11.8



#15

Methyl Acetate

Concen: 13.347 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV010724.D

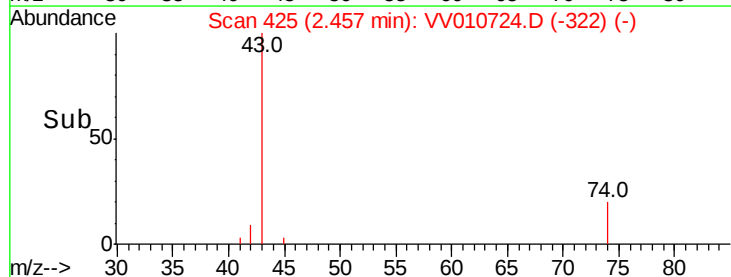
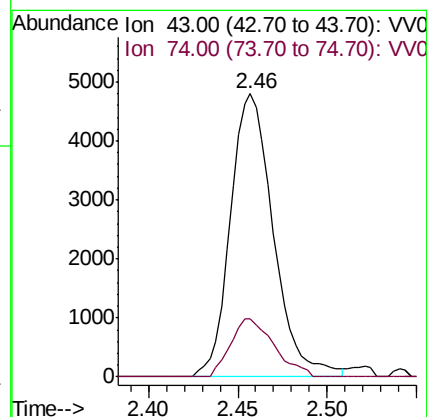
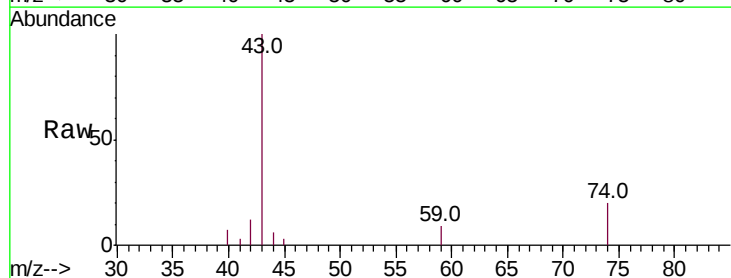
Acq: 08 May 2019 11:31

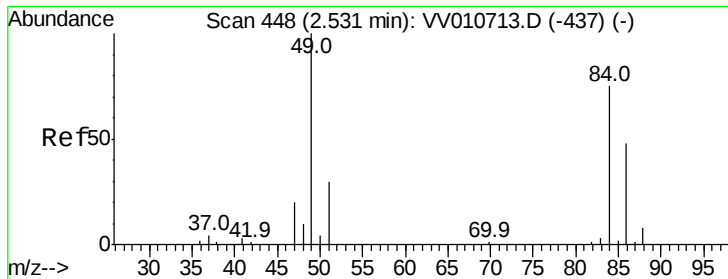
Tgt Ion: 43 Resp: 8035

Ion Ratio Lower Upper

43 100

74 20.8 17.0 25.4

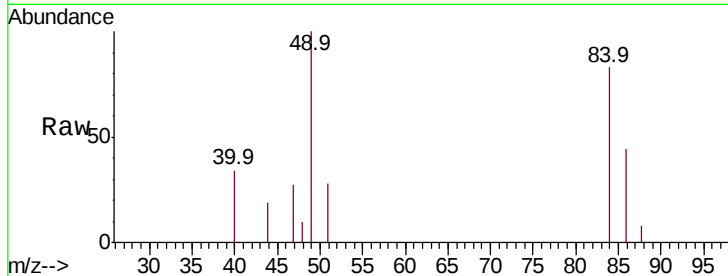




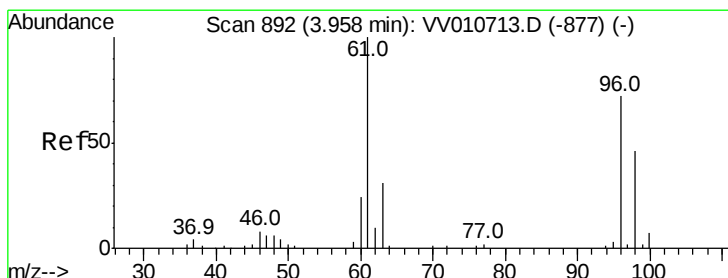
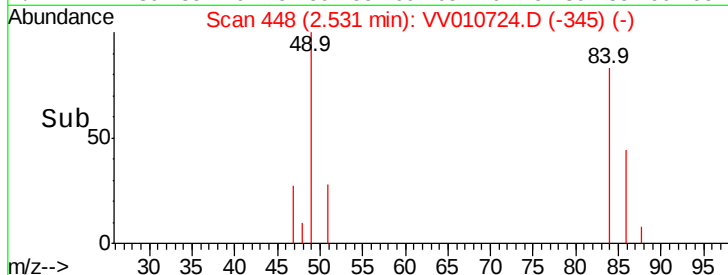
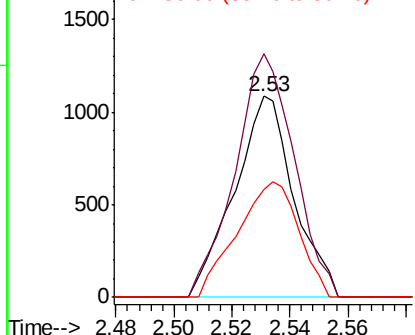
#16
Methvlene chloride
Concen: 1.438 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV010724.D
Acq: 08 May 2019 11:31

Instrument :
MSVOA_V
ClientSampleId :
A5159

Tot Ion: 84 Resp: 1552
Ion Ratio Lower Upper
84 100
49 121.0 92.9 172.5
86 53.8 46.5 86.5

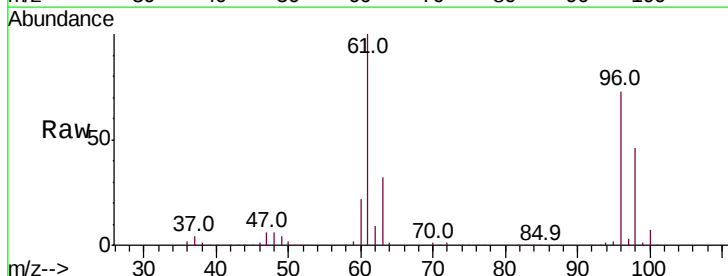


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

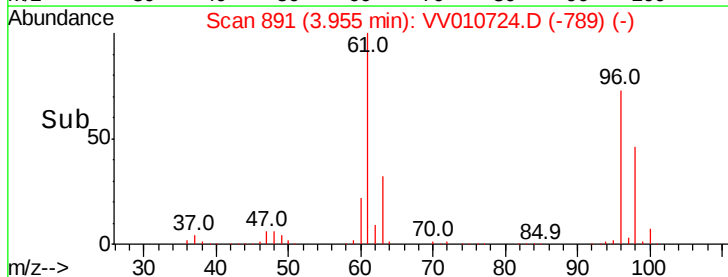
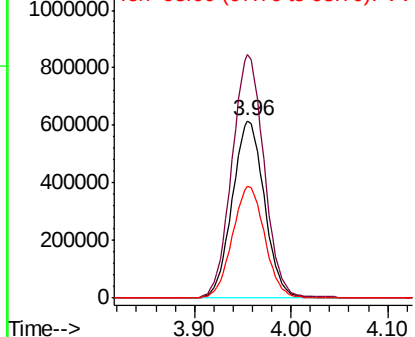


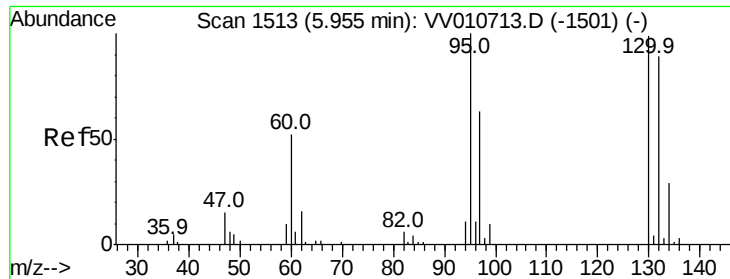
#22
cis-1,2-Dichloroethene
Concen: 1255.215 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV010724.D
Acq: 08 May 2019 11:31

Tgt Ion: 96 Resp: 1424759
Ion Ratio Lower Upper
96 100
61 137.3 93.9 174.5
98 62.7 46.5 86.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#35

Trichloroethene

Concen: 1.700 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV010724.D

Acq: 08 May 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

A5159

Tot Ion: 95 Resp: 1895

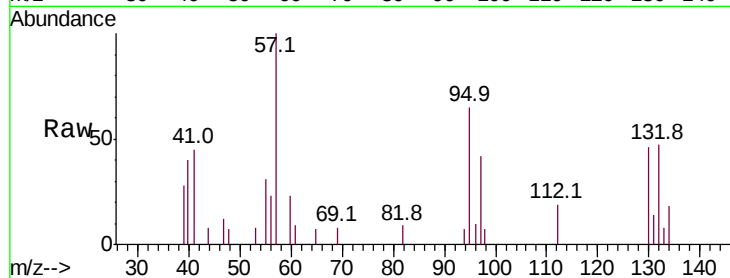
Ion Ratio Lower Upper

95 100

97 375.2 44.3 82.3#

132 77.8 62.4 115.8

130 69.7 68.5 127.3



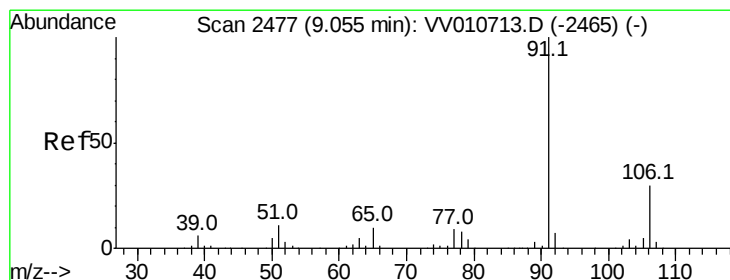
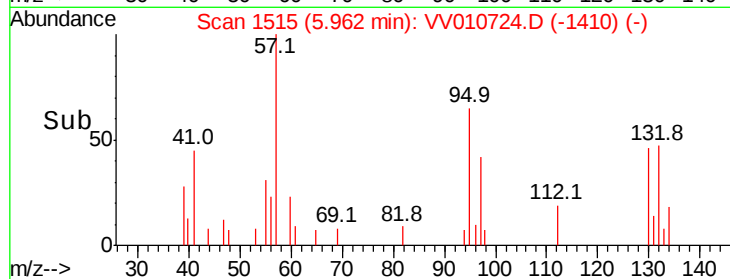
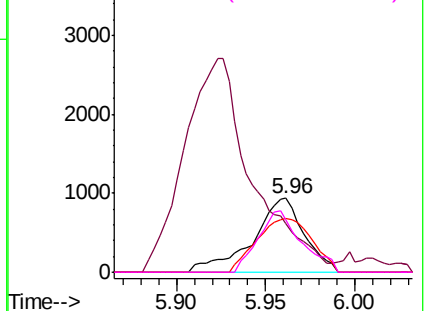
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#53

Ethylbenzene

Concen: 1.494 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV010724.D

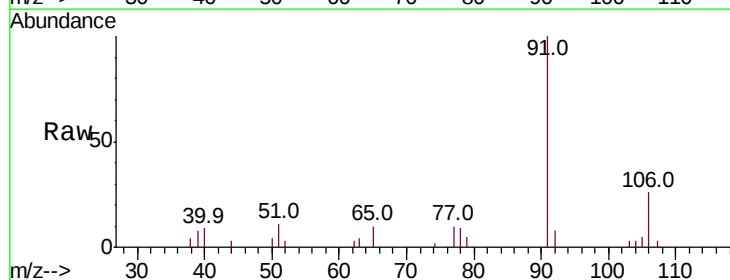
Acq: 08 May 2019 11:31

Tgt Ion: 91 Resp: 7832

Ion Ratio Lower Upper

91 100

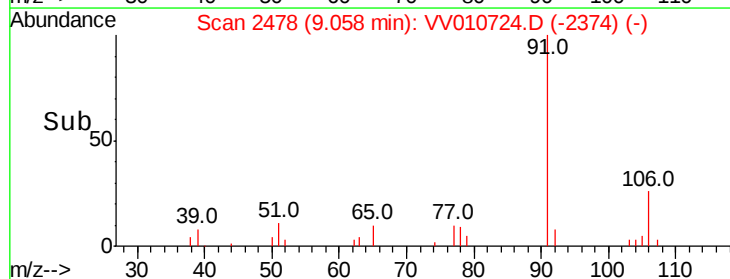
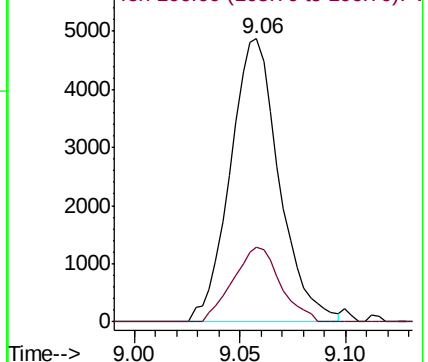
106 26.5 21.8 40.6

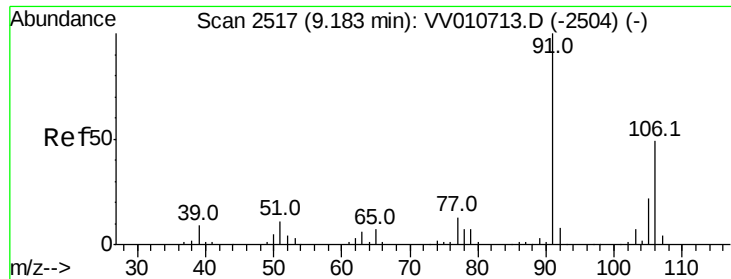


Abundance

Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 5.111 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010724.D

Acq: 08 May 2019 11:31

Instrument :

MSVOA_V

ClientSampled :

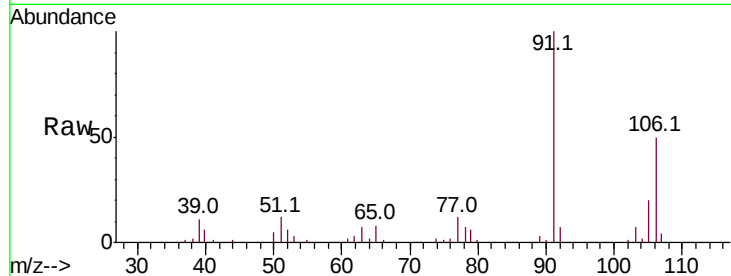
A5159

Tot Ion:106 Resp: 10007

Ion Ratio Lower Upper

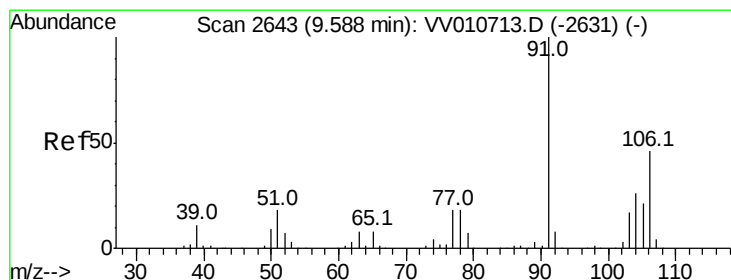
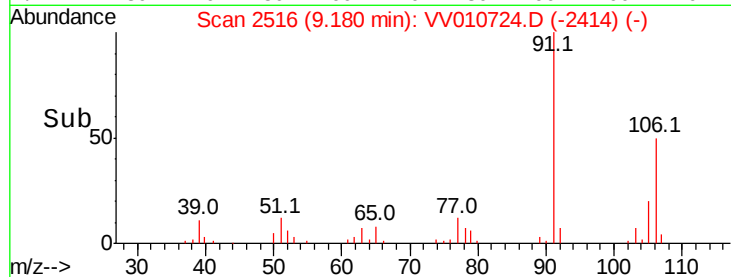
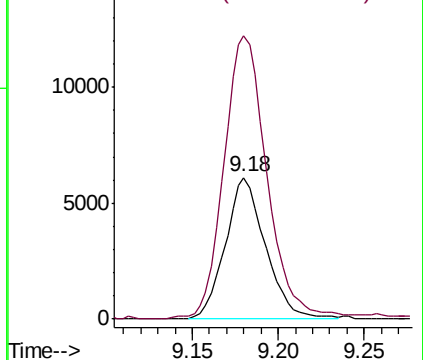
106 100

91 199.5 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 1.029 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010724.D

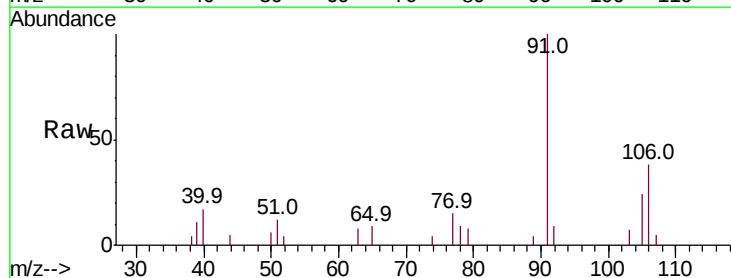
Acq: 08 May 2019 11:31

Tgt Ion:106 Resp: 1999

Ion Ratio Lower Upper

106 100

91 260.7 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

