

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102219\
 Data File : VV013286.D
 Acq On : 22 Oct 2019 18:43
 Operator : SY/MD
 Sample : K5457-20
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 23 01:27:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 01:23:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	429799	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	467575	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	249717	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	182856	5.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.40%
7) Chloroethane-d5	1.58	69	156720	5.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.80%
11) 1,1-Dichloroethene-d2	2.13	63	227760	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	3.93	46	405232	66.59	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	133.18%#
24) Chloroform-d	4.40	84	371144	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.08	65	179360	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.10	84	741211	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.12	67	229008	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.36	98	615679	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.66	79	75210	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.13	63	259675	42.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	159068	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	256578	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

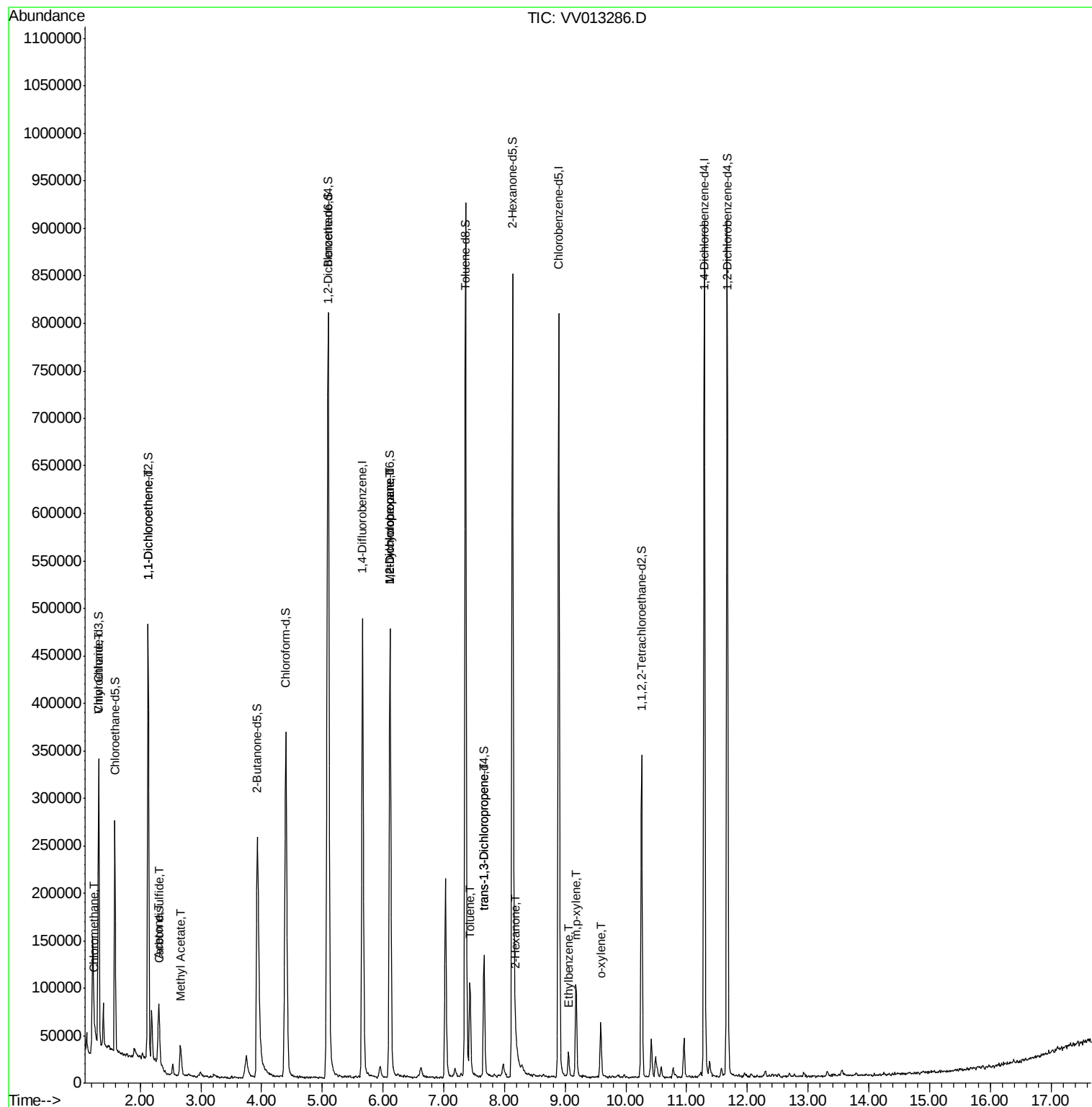
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	5726	0.139	ug/L	98
8) Chloroethane	1.32	64	3599	0.146	ug/L	92
12) 1,1-Dichloroethene	2.13	96	2413	0.071	ug/L #	1
13) Acetone	2.30	43	14049	4.465	ug/L	77
14) Carbon disulfide	2.32	76	6771	0.070	ug/L #	82
15) Methyl Acetate	2.66	43	4650	0.437	ug/L #	51
35) Methylcyclohexane	6.12	83	55667	0.755	ug/L #	17
37) 1,2-Dichloropropane	6.11	63	24582	0.567	ug/L #	86
42) Toluene	7.43	91	71496	0.381	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	3061	0.066	ug/L	93
48) 2-Hexanone	8.19	43	12350	0.780	ug/L #	89
52) Ethylbenzene	9.05	91	18015	0.092	ug/L	100
53) m,p-xylene	9.18	106	29159	0.390	ug/L	96
54) o-xylene	9.59	106	14854	0.209	ug/L	91

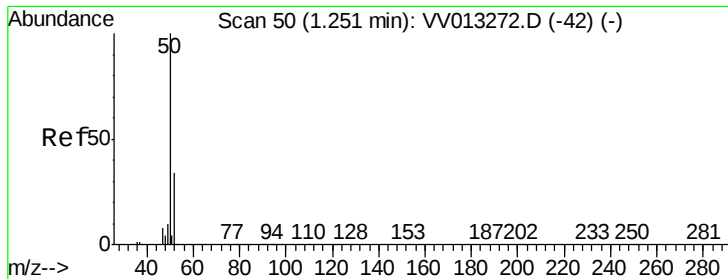
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.139 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013286.D

Acq: 22 Oct 2019 18:43

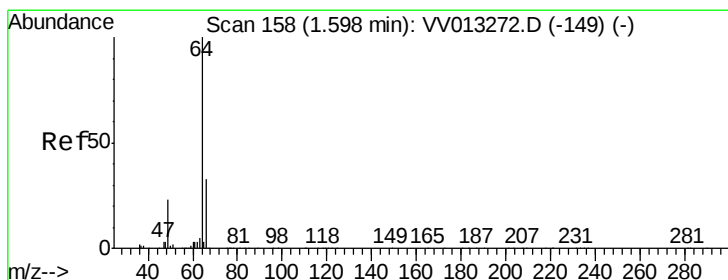
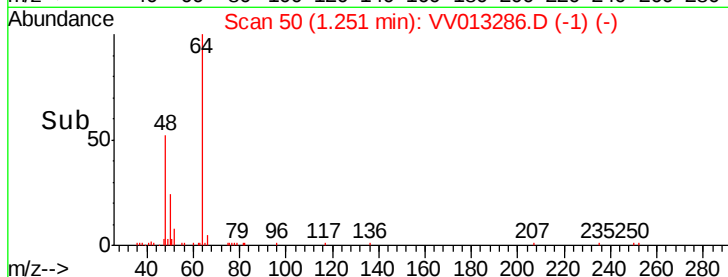
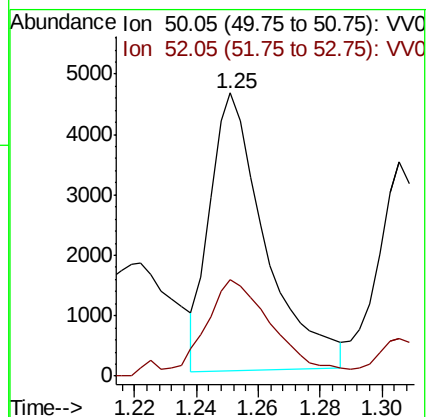
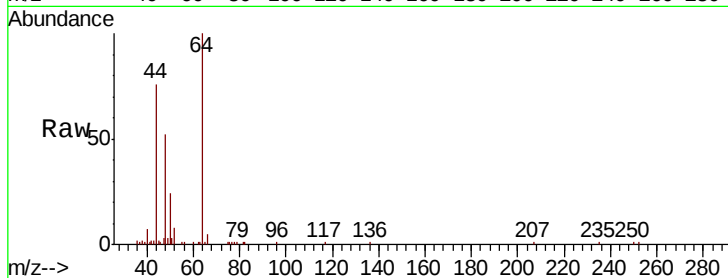
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 5726

Ion Ratio Lower Upper

50 100

52 34.2 23.3 43.3



#8

Chloroethane

Concen: 0.146 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV013286.D

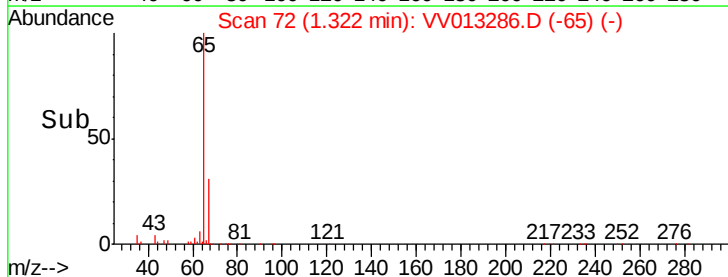
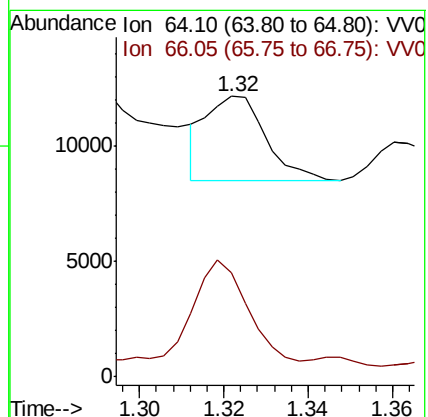
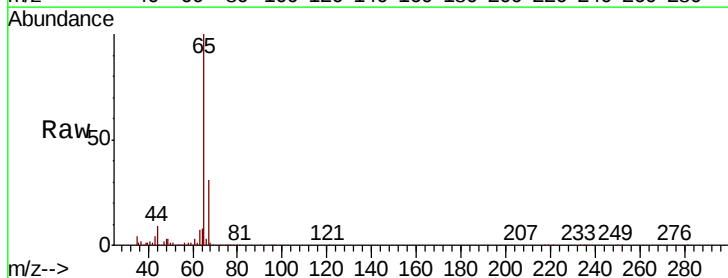
Acq: 22 Oct 2019 18:43

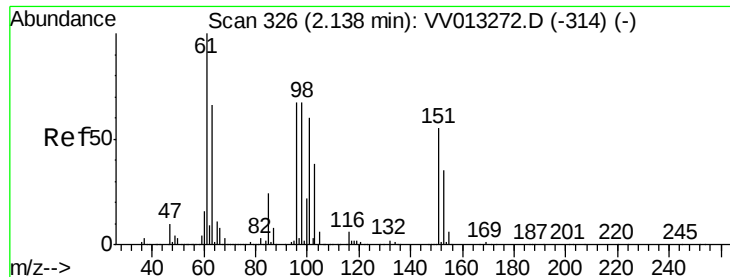
Tgt Ion: 64 Resp: 3599

Ion Ratio Lower Upper

64 100

66 36.9 22.7 42.3





#12

1,1-Dichloroethene

Concen: 0.071 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013286.D

Acq: 22 Oct 2019 18:43

Instrument :
MSVOA_V
ClientSampleId :

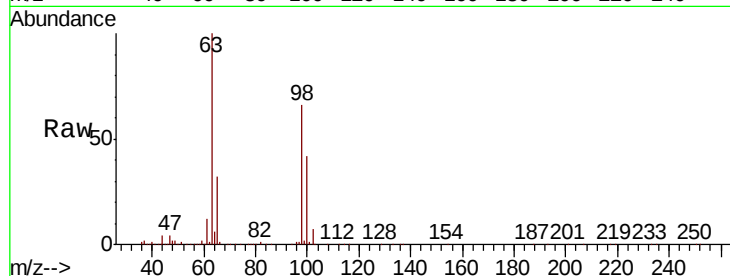
Tot Ion: 96 Resp: 2413

Ion Ratio Lower Upper

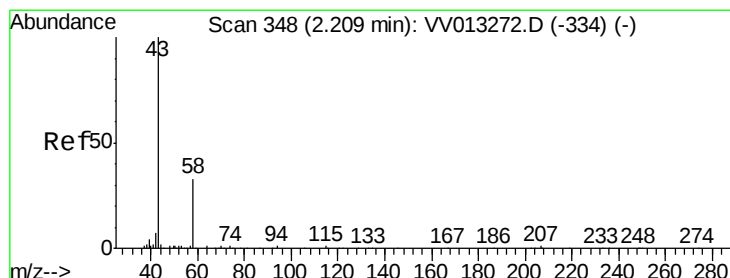
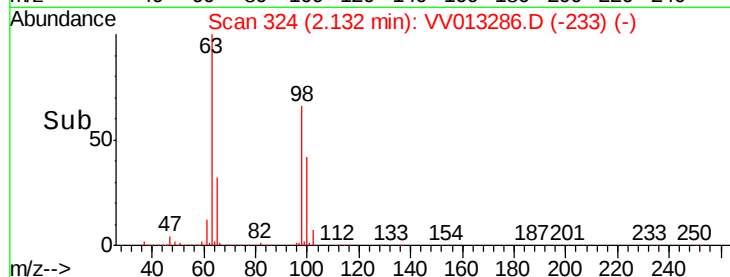
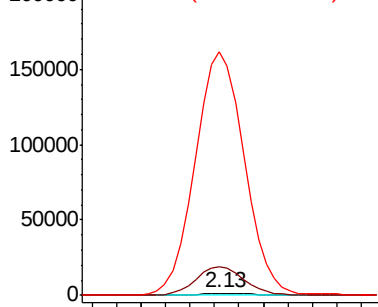
96 100

61 1282.3 104.0 193.1#

63 10694.9 67.1 124.5#



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 4.465 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.09 min

Lab File: VV013286.D

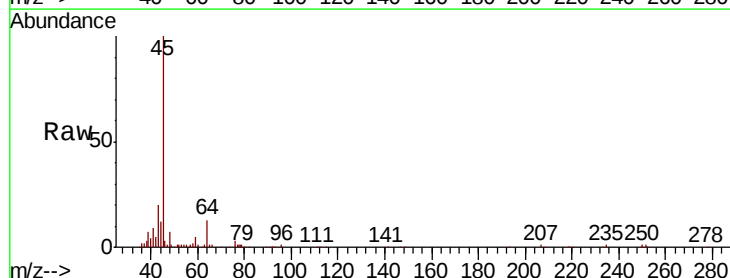
Acq: 22 Oct 2019 18:43

Tgt Ion: 43 Resp: 14049

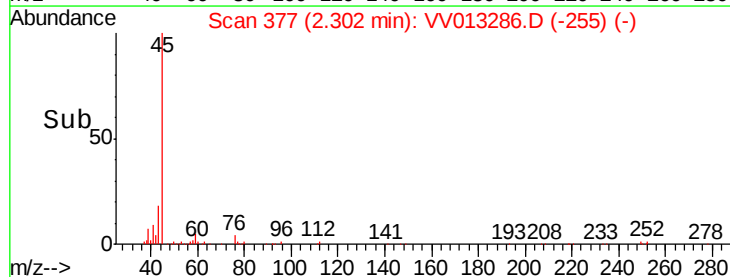
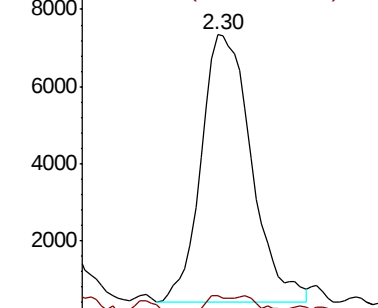
Ion Ratio Lower Upper

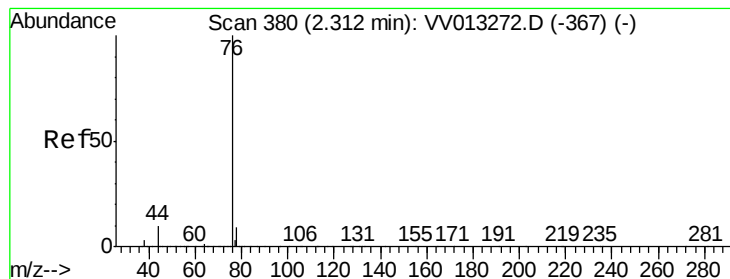
43 100

58 3.9 0.0 26.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.070 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV013286.D

Acq: 22 Oct 2019 18:43

Instrument :

MSVOA_V

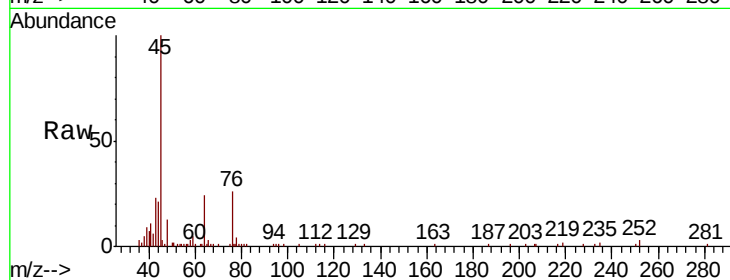
ClientSampleId :

Tot Ion: 76 Resp: 6771

Ion Ratio Lower Upper

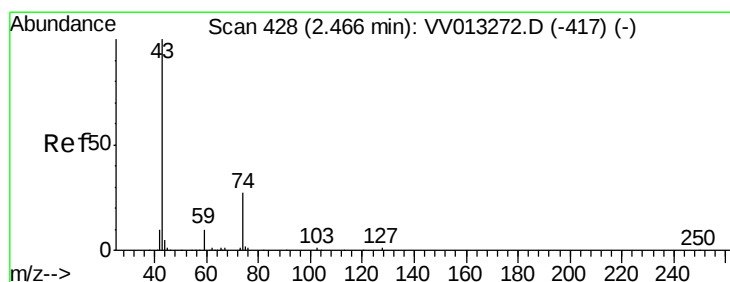
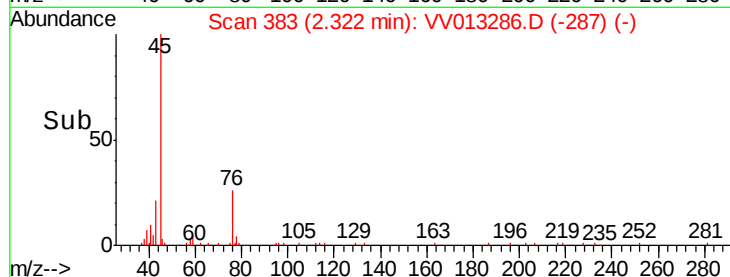
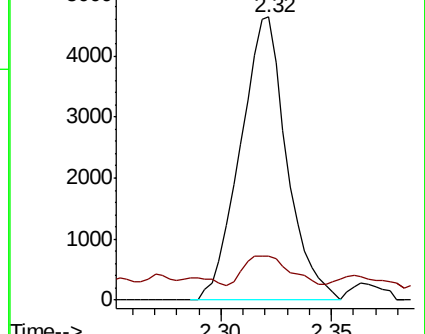
76 100

78 15.5 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.437 ug/L

RT: 2.66 min Scan# 489

Delta R.T. 0.20 min

Lab File: VV013286.D

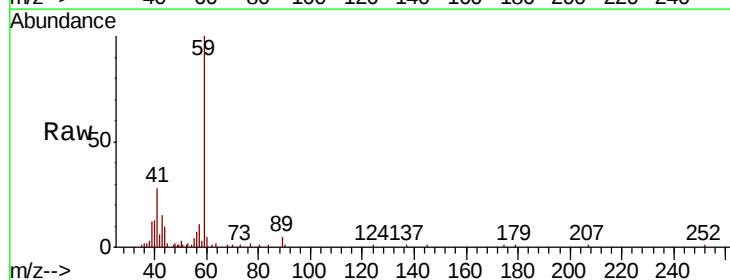
Acq: 22 Oct 2019 18:43

Tgt Ion: 43 Resp: 4650

Ion Ratio Lower Upper

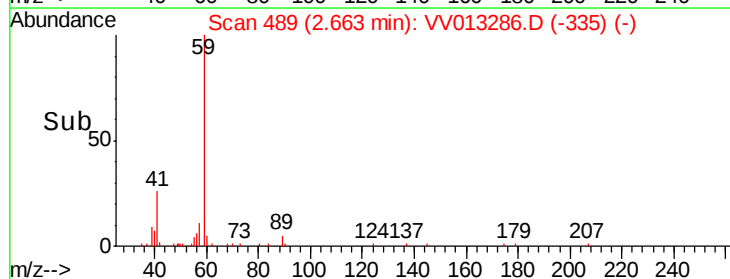
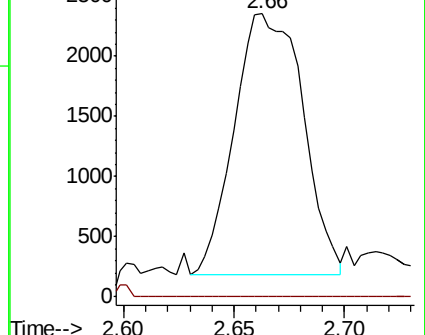
43 100

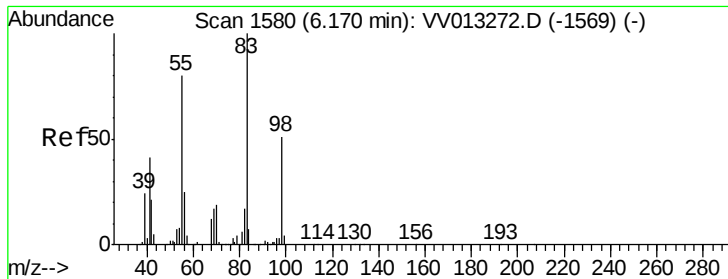
74 0.9 20.4 30.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

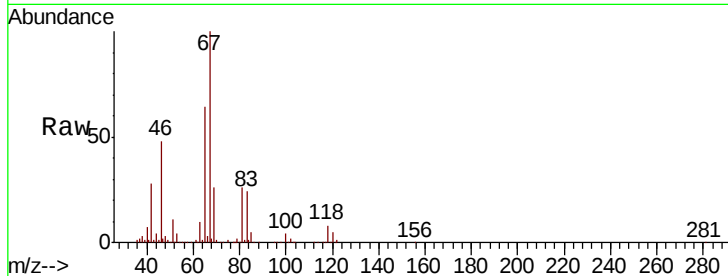




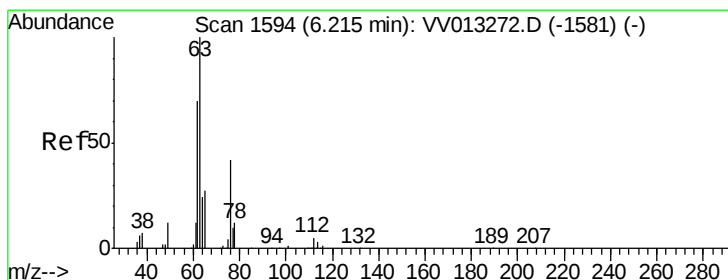
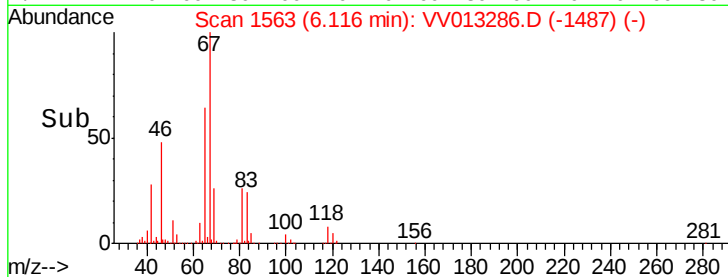
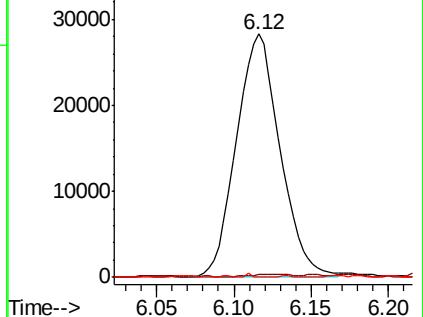
#35
Methvlcvclohexane
Concen: 0.755 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013286.D
Acq: 22 Oct 2019 18:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 55667
Ion Ratio Lower Upper
83 100
55 0.0 62.4 93.6#
98 0.2 39.2 58.8#

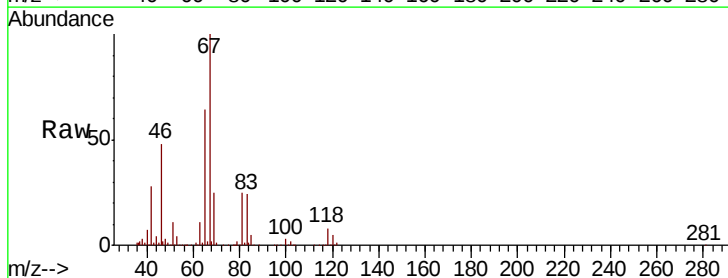


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

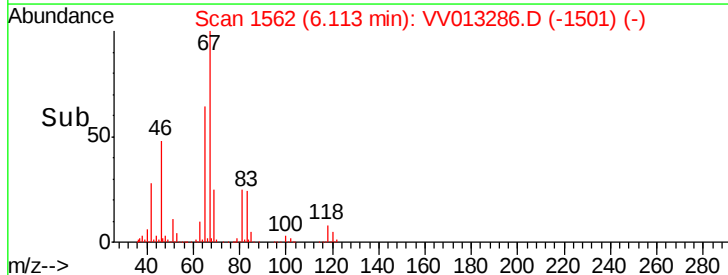
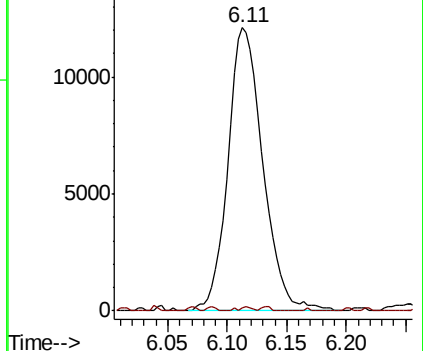


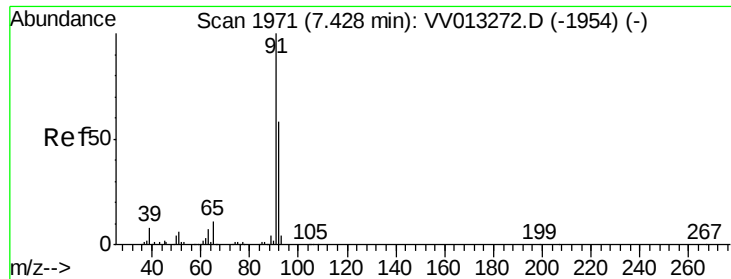
#37
1,2-Dichloropropane
Concen: 0.567 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013286.D
Acq: 22 Oct 2019 18:43

Tgt Ion: 63 Resp: 24582
Ion Ratio Lower Upper
63 100
112 0.5 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.381 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013286.D

Acq: 22 Oct 2019 18:43

Instrument :

MSVOA_V

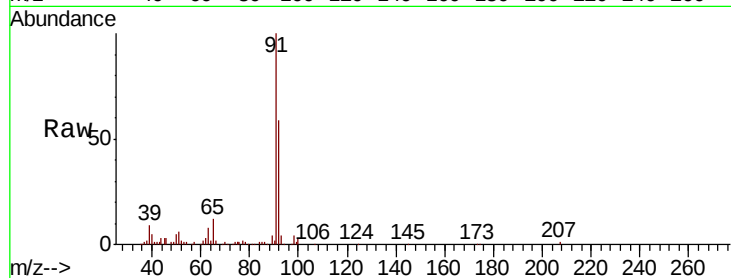
ClientSampleId :

Tot Ion: 91 Resp: 71496

Ion Ratio Lower Upper

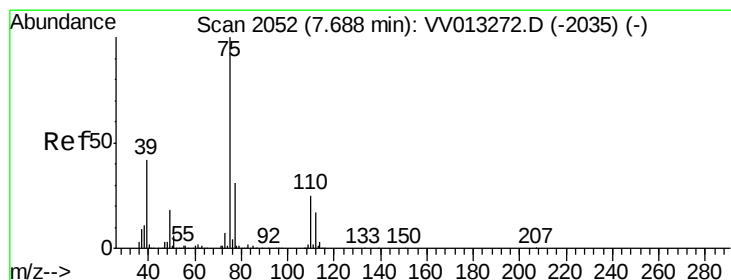
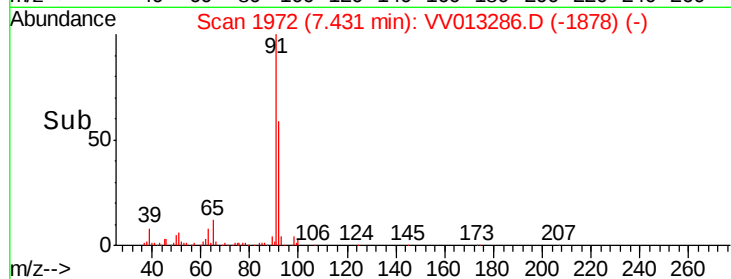
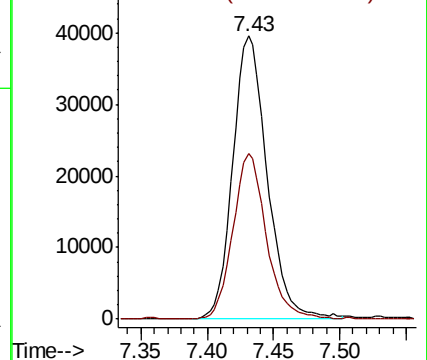
91 100

92 58.6 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV013286.D

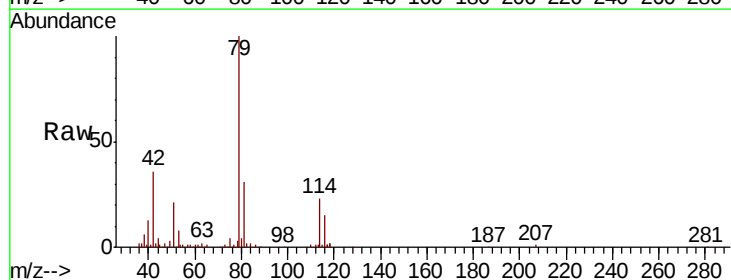
Acq: 22 Oct 2019 18:43

Tgt Ion: 75 Resp: 3061

Ion Ratio Lower Upper

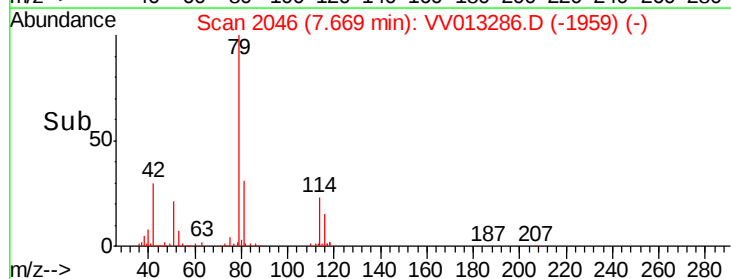
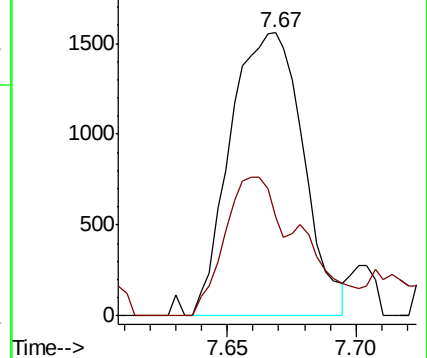
75 100

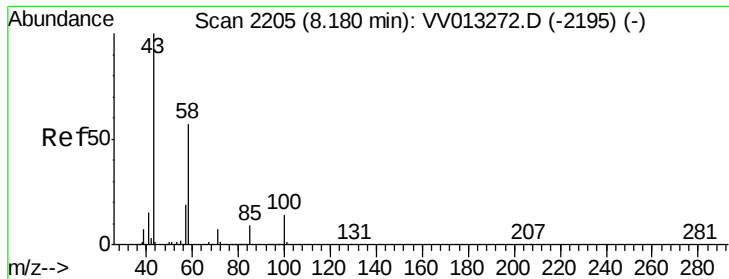
77 35.0 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

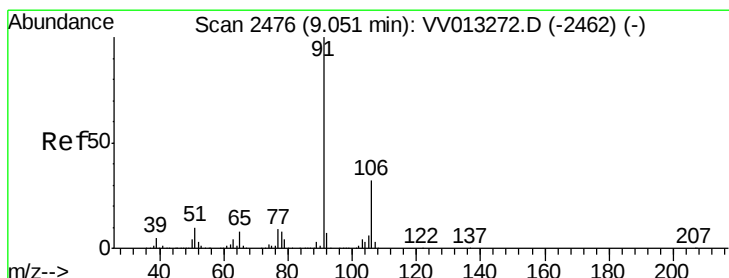
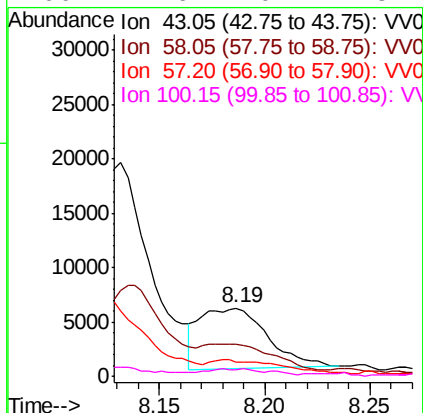
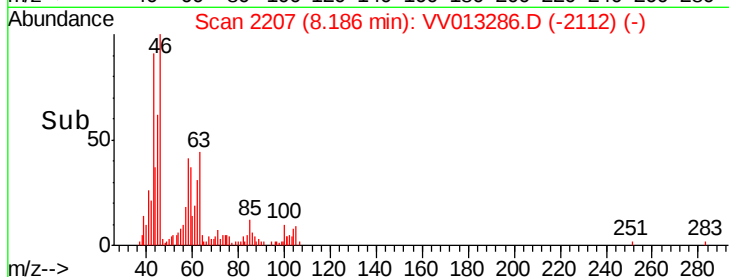
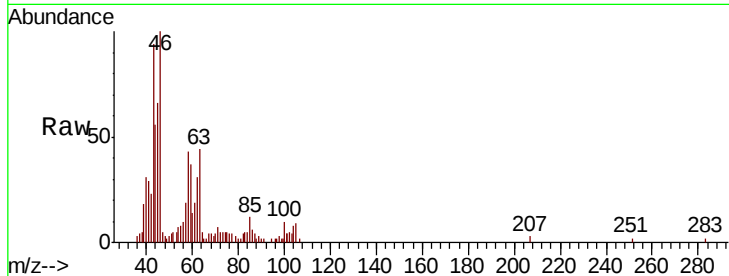




#48
2-Hexanone
Concen: 0.780 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV013286.D
Acq: 22 Oct 2019 18:43

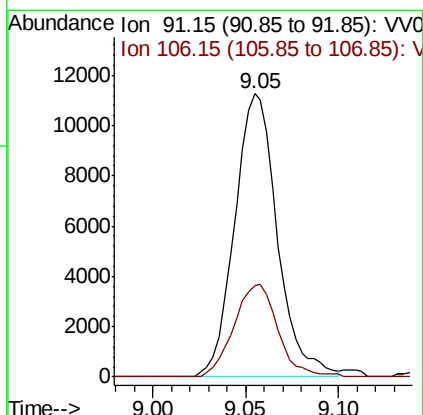
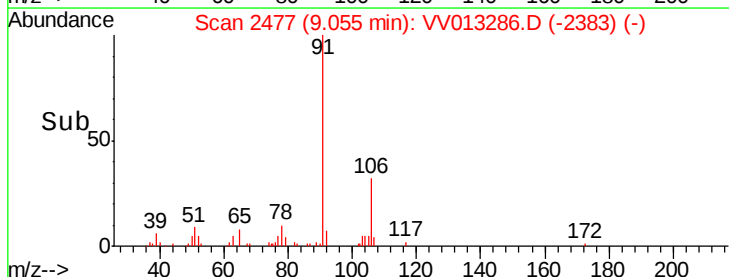
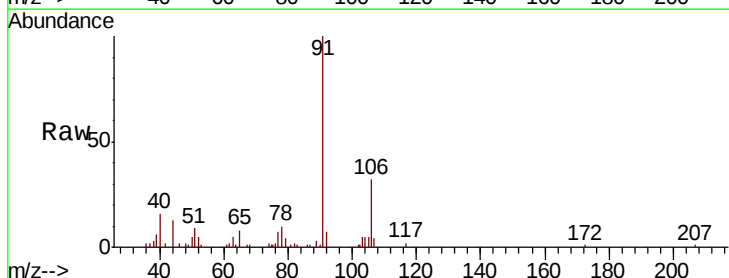
Instrument :
MSVOA_V
ClientSampled :

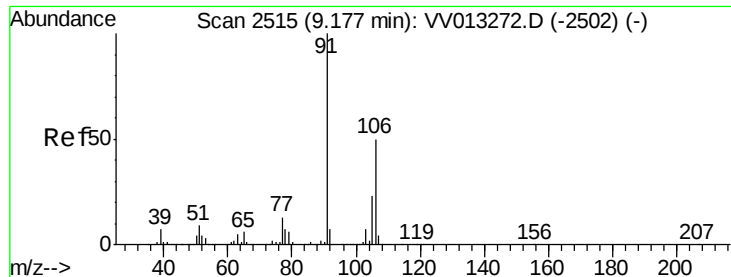
Tot Ion	Ratio	Lower	Upper
43	100		
58	58.5	45.1	67.7
57	0.0	15.5	23.3
100	12.6	10.2	15.2



#52
Ethylbenzene
Concen: 0.092 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV013286.D
Acq: 22 Oct 2019 18:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	22.4	41.6





#53

m,p-xylene

Concen: 0.390 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013286.D

Acq: 22 Oct 2019 18:43

Instrument :

MSVOA_V

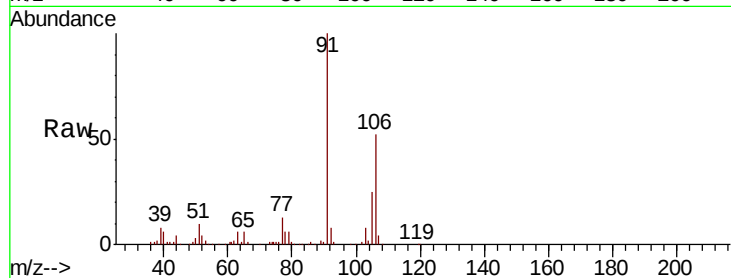
ClientSampleId :

Tot Ion:106 Resp: 29159

Ion Ratio Lower Upper

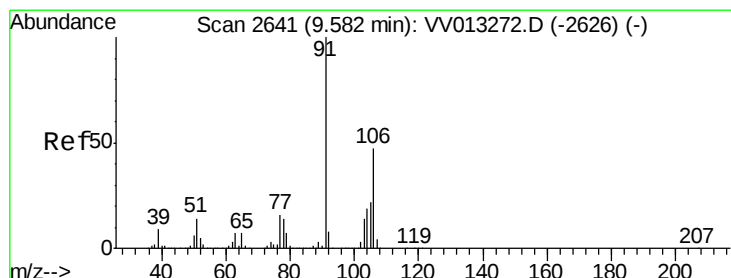
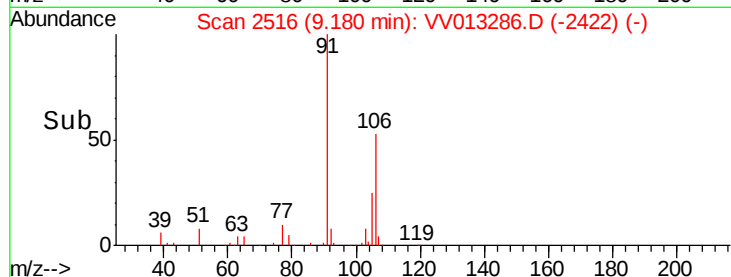
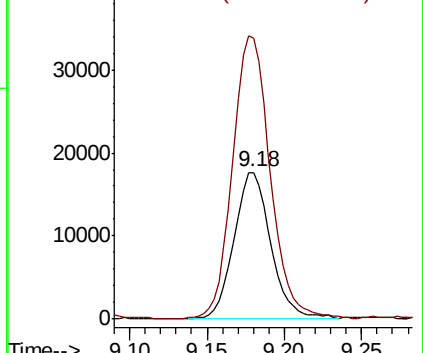
106 100

91 191.3 137.8 255.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.209 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013286.D

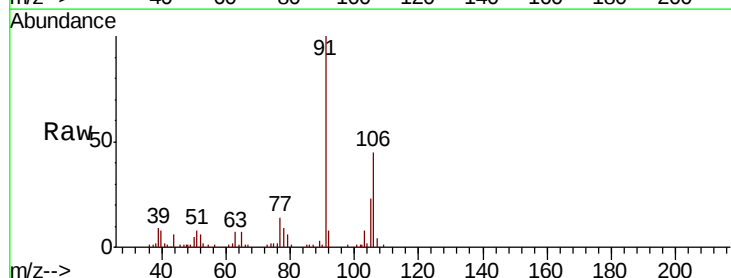
Acq: 22 Oct 2019 18:43

Tgt Ion:106 Resp: 14854

Ion Ratio Lower Upper

106 100

91 224.6 147.0 273.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

