

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041319\
 Data File : VV010327.D
 Acq On : 13 Apr 2019 19:09
 Operator : SY/MD
 Sample : K2297-05MSD
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YC4MSD

Quant Time: Apr 14 01:14:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR041319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 13 14:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	149471	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	148313	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69660	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32808	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.58	69	33174	3.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.00%
11) 1,1-Dichloroethene-d2	2.14	63	96323	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.80%
20) 2-Butanone-d5	3.95	46	101607	50.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.14%
24) Chloroform-d	4.40	84	77310	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.09	65	42667	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.10	84	148400	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.12	67	45453	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.00%
41) Toluene-d8	7.36	98	127925	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	7.67	79	15998	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.14	63	81982	52.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39567	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	57314	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

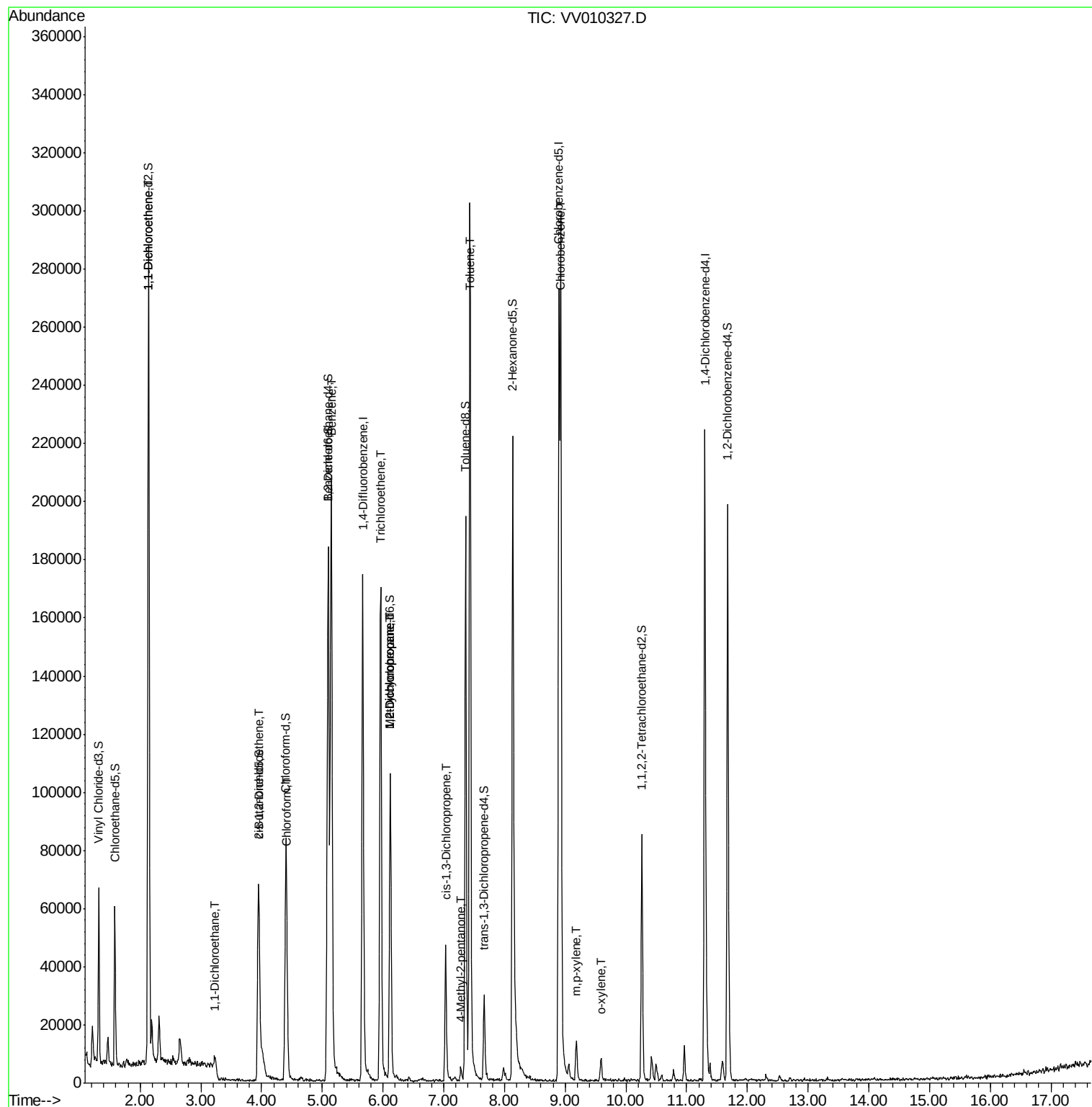
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	59447	4.876	ug/L	94
19) 1,1-Dichloroethane	3.22	63	3408	0.146	ug/L #	80
22) cis-1,2-Dichloroethene	3.96	96	781	0.070	ug/L #	54
25) Chloroform	4.42	83	1739	0.083	ug/L	88
33) Benzene	5.15	78	199910	4.805	ug/L	100
34) Trichloroethene	5.96	95	55991	4.660	ug/L	92
35) Methylcyclohexane	6.12	83	11685	0.664	ug/L #	21
37) 1,2-Dichloropropane	6.11	63	3209	0.335	ug/L #	92
39) cis-1,3-Dichloropropene	7.03	75	1375	0.103	ug/L #	69
40) 4-Methyl-2-pentanone	7.28	43	3502	0.673	ug/L #	72
42) Toluene	7.43	91	222336	4.780	ug/L	97
51) Chlorobenzene	8.93	112	155839	4.965	ug/L	96
53) m,p-xylene	9.19	106	4096	0.209	ug/L	94
54) o-xylene	9.59	106	2492	0.132	ug/L	78

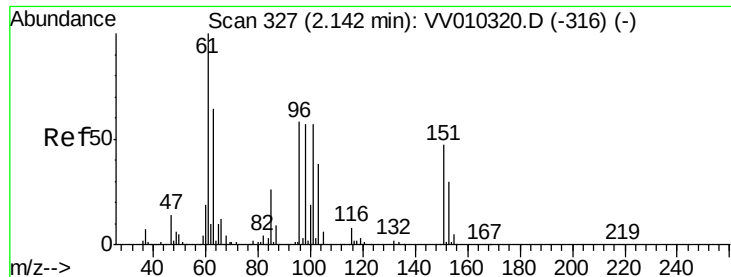
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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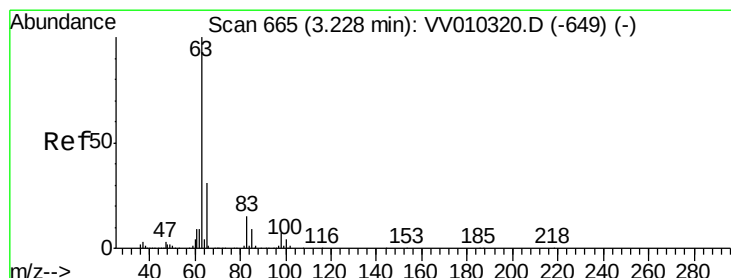
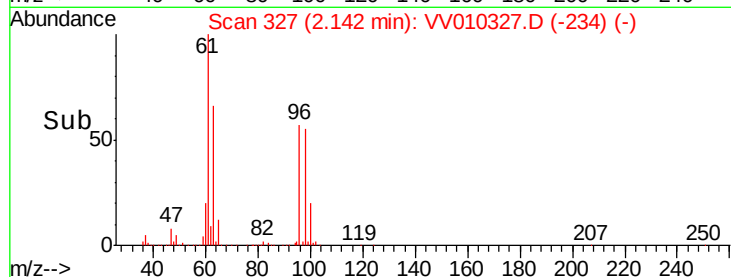
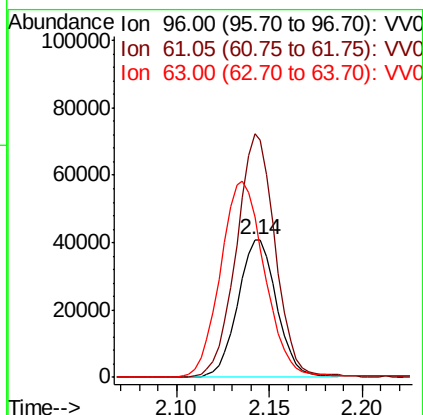
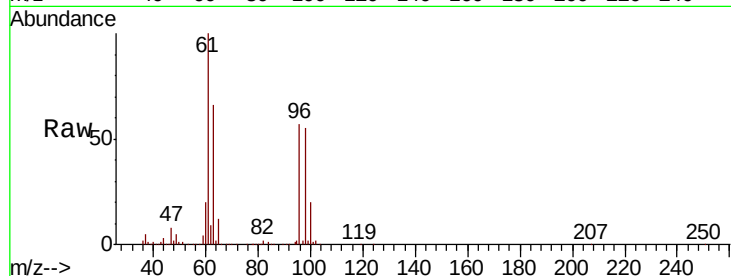




#12
 1,1-Dichloroethene
 Concen: 4.876 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VV010327.D
 Acq: 13 Apr 2019 19:09

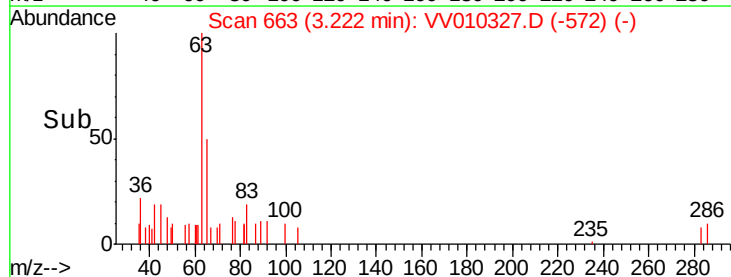
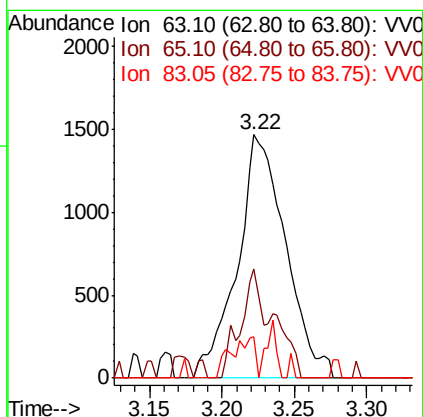
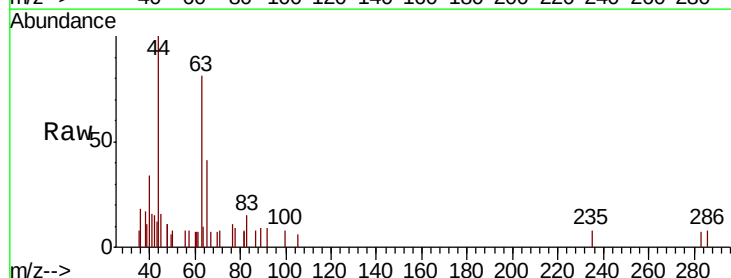
Instrument :
 MSVOA_V
 ClientSampleId :
 E3YC4MSD

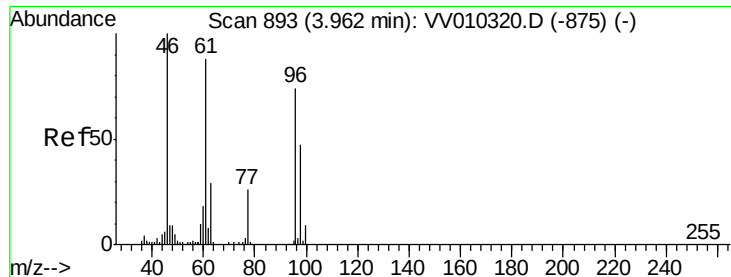
Tot Ion: 96 Resp: 59447
 Ion Ratio Lower Upper
 96 100
 61 176.7 127.1 236.0
 63 116.2 88.8 164.8



#19
 1,1-Dichloroethane
 Concen: 0.146 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: VV010327.D
 Acq: 13 Apr 2019 19:09

Tgt Ion: 63 Resp: 3408
 Ion Ratio Lower Upper
 63 100
 65 44.8 21.3 39.5#
 83 16.8 9.9 18.5





#22

cis-1,2-Dichloroethene

Concen: 0.070 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV010327.D

Acq: 13 Apr 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

E3YC4MSD

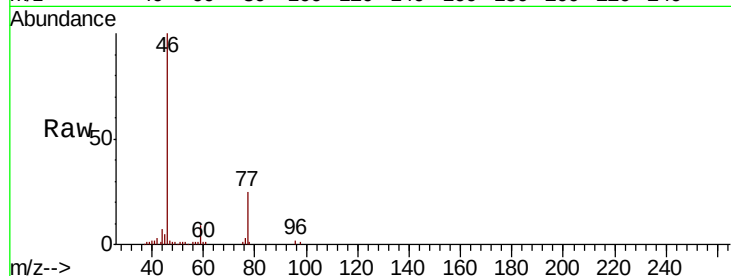
Tot Ion: 96 Resp: 781

Ion Ratio Lower Upper

96 100

61 69.4 84.8 157.4#

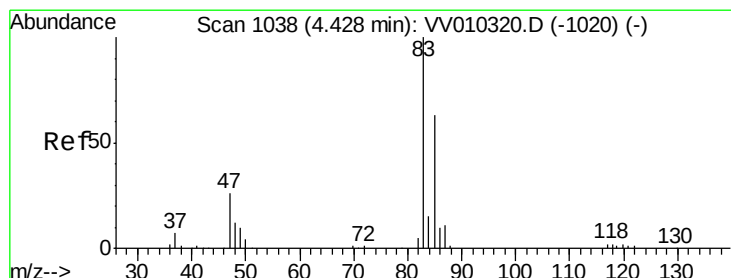
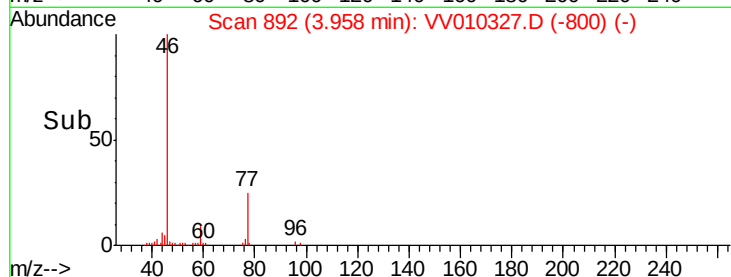
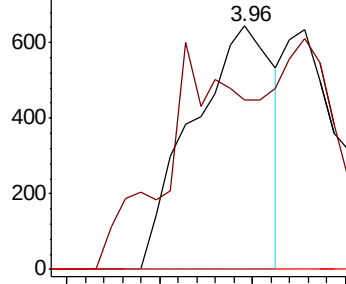
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#25

Chloroform

Concen: 0.083 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV010327.D

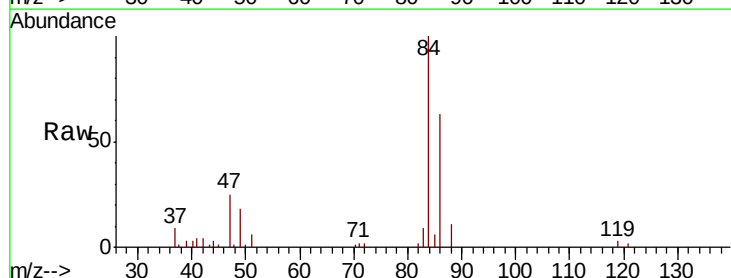
Acq: 13 Apr 2019 19:09

Tgt Ion: 83 Resp: 1739

Ion Ratio Lower Upper

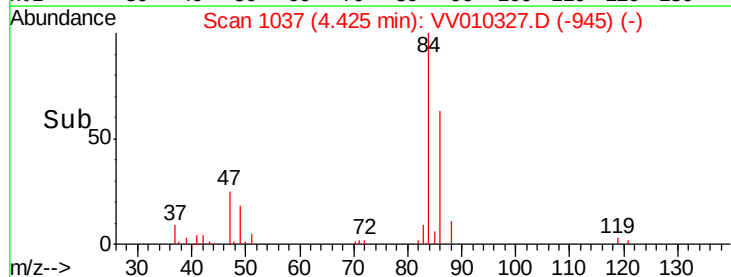
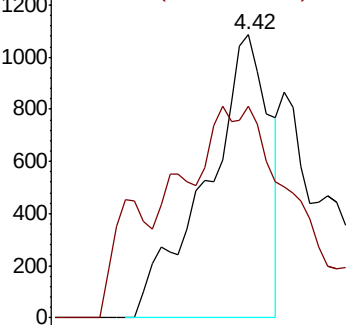
83 100

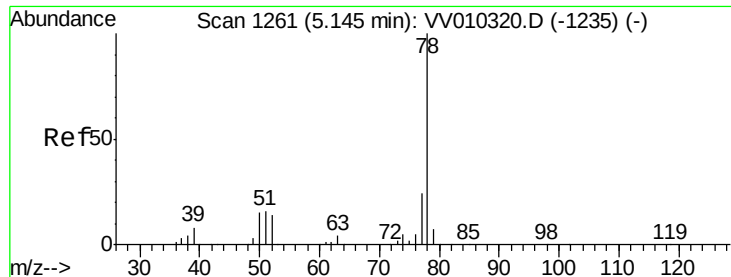
85 74.7 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

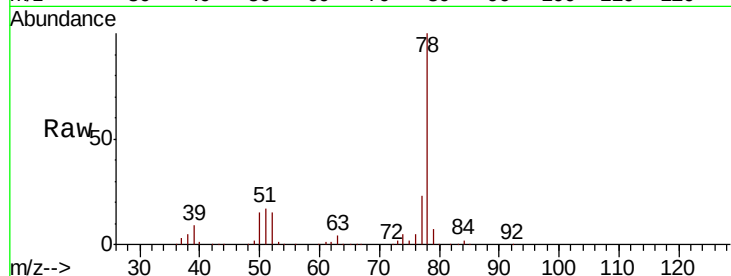
Ion 85.00 (84.70 to 85.70): VV0



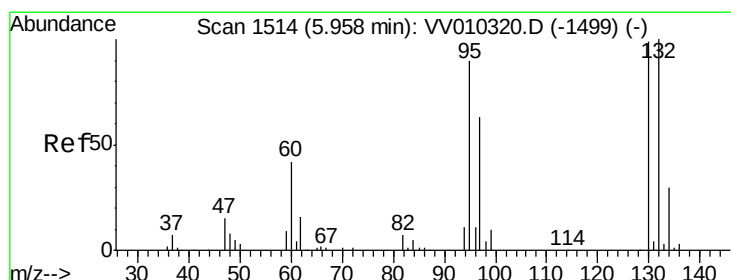
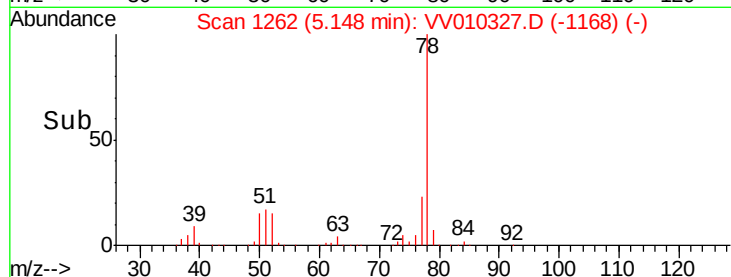
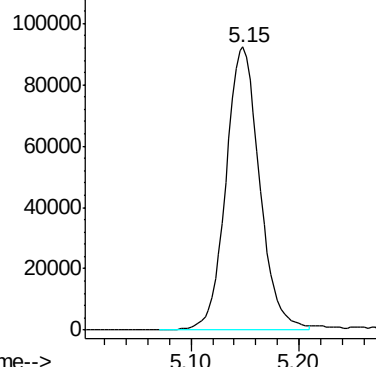


#33
Benzene
Concen: 4.805 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV010327.D
Acq: 13 Apr 2019 19:09
Tgt Ion: 78 Resp: 199910

Instrument :
MSVOA_V
ClientSampleId :
E3YC4MSD

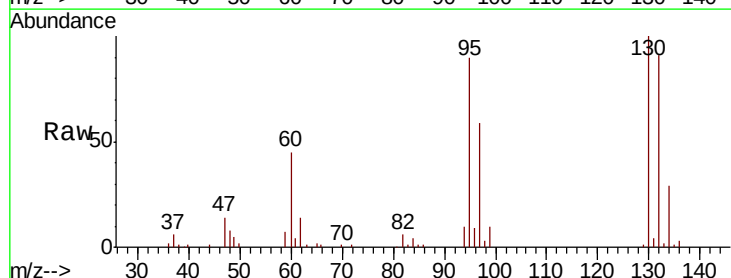


Abundance Ion 78.10 (77.80 to 78.80): VV0



#34
Trichloroethene
Concen: 4.660 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV010327.D
Acq: 13 Apr 2019 19:09

Tgt Ion: 95 Resp: 55991
Ion Ratio Lower Upper
95 100
97 65.8 44.4 82.5
132 101.2 66.4 123.4
130 110.9 68.1 126.5

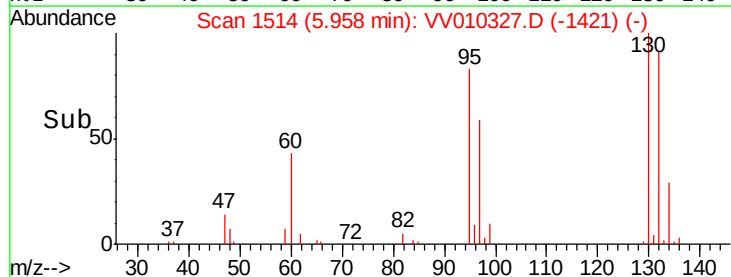
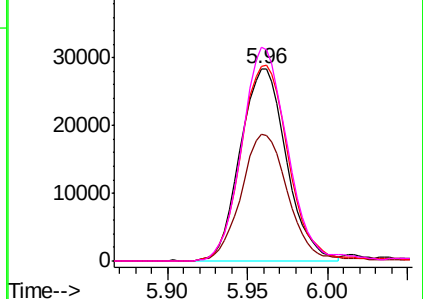


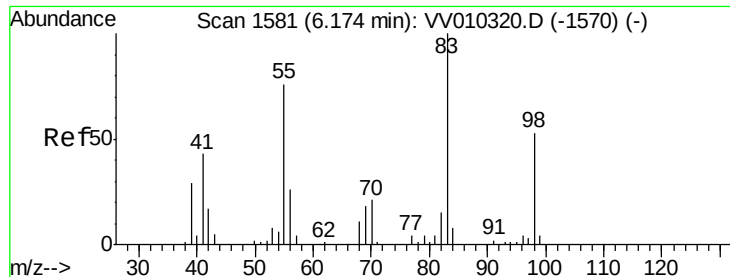
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

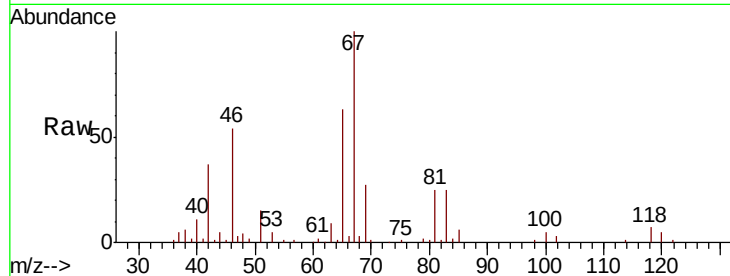




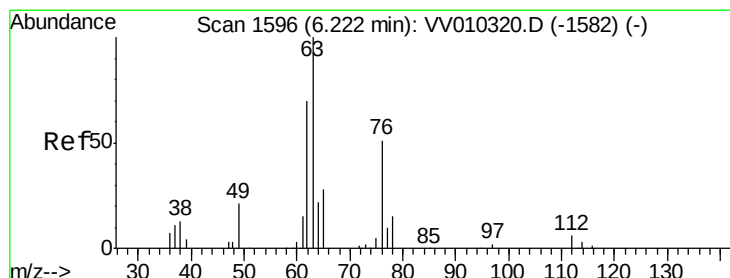
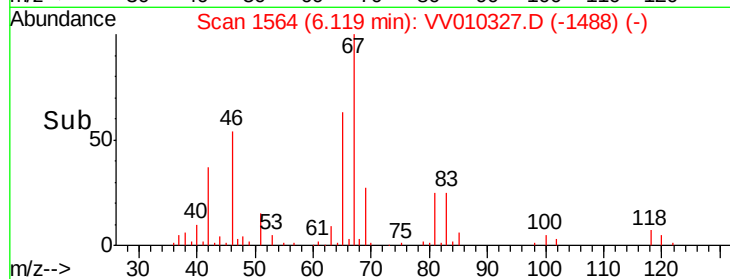
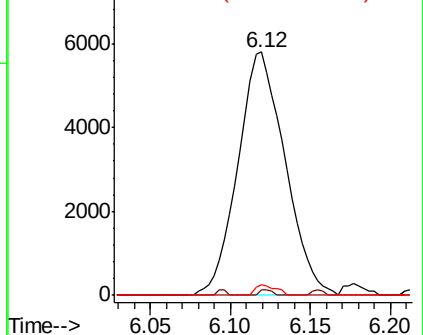
#35
Methylvlcyclohexane
Concen: 0.664 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV010327.D
Acq: 13 Apr 2019 19:09

Instrument :
MSVOA_V
ClientSampleId :
E3YC4MSD

Tot Ion: 83 Resp: 11685
Ion Ratio Lower Upper
83 100
55 0.6 57.4 86.2#
98 1.9 38.9 58.3#

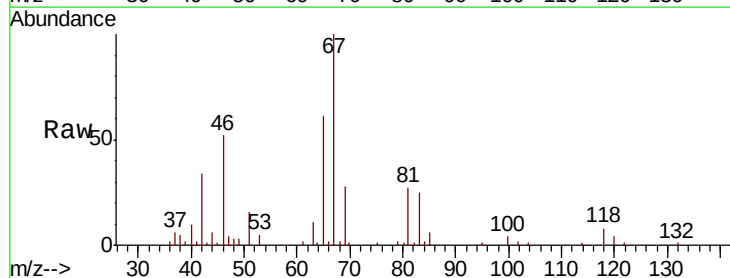


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

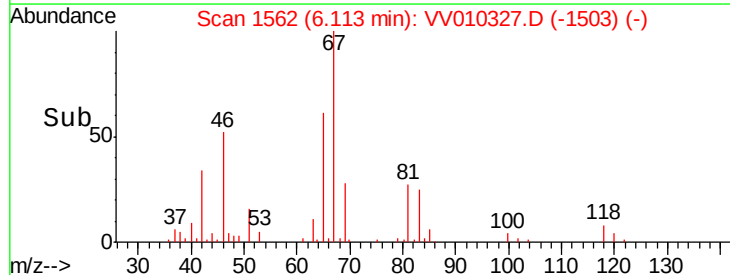
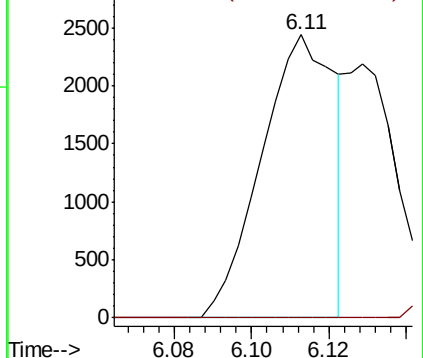


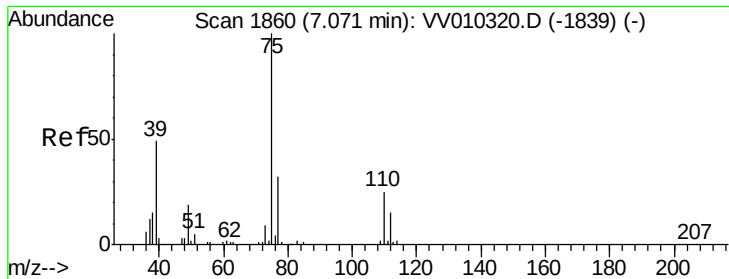
#37
1,2-Dichloropropane
Concen: 0.335 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV010327.D
Acq: 13 Apr 2019 19:09

Tgt Ion: 63 Resp: 3209
Ion Ratio Lower Upper
63 100
112 1.4 3.3 4.9#



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

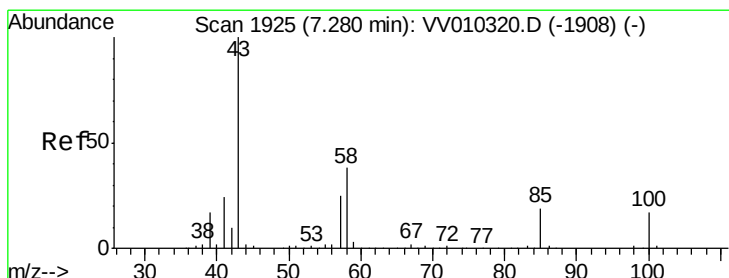
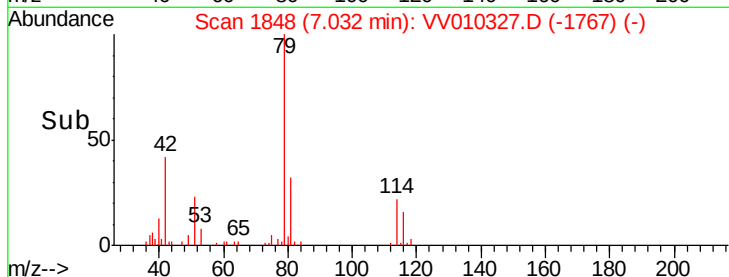
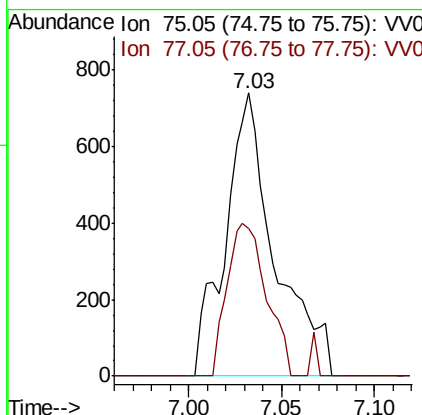
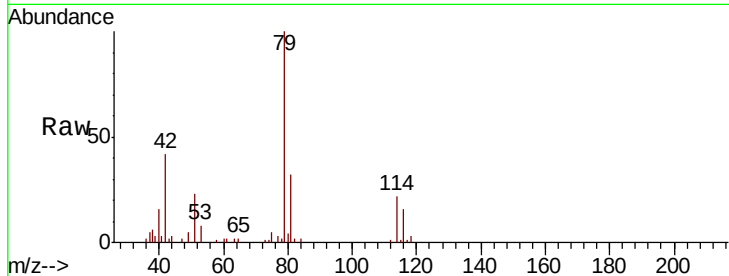




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV010327.D
 Acq: 13 Apr 2019 19:09

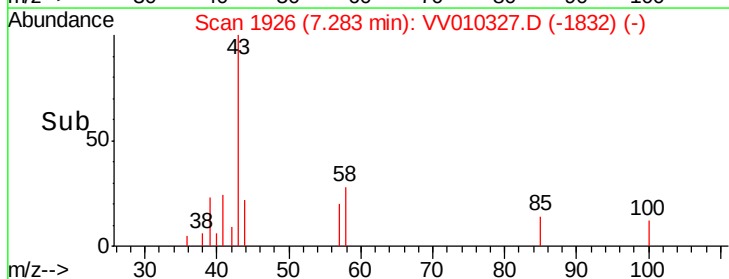
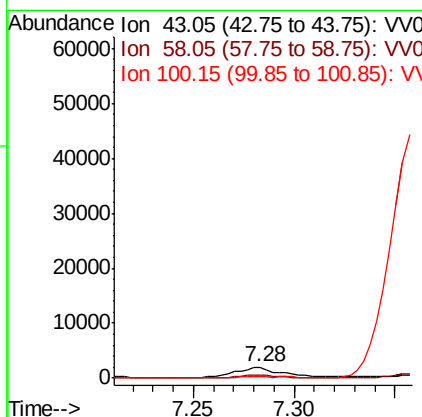
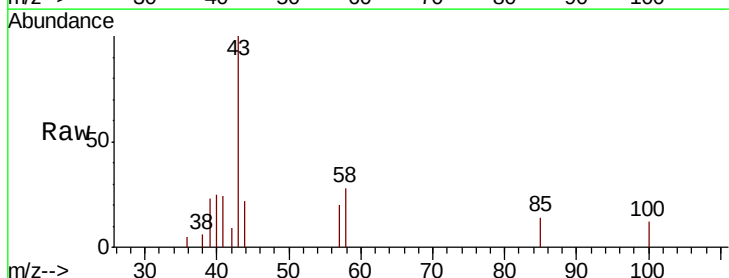
Instrument :
 MSVOA_V
 ClientSampleId :
 E3YC4MSD

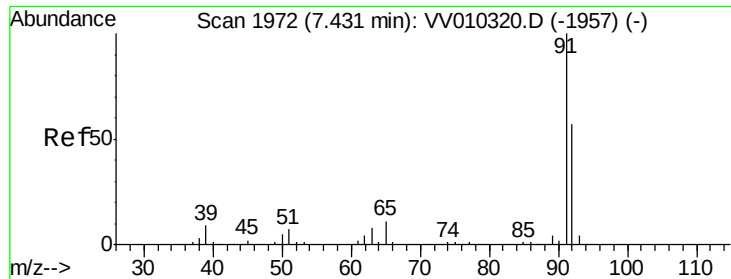
Tot Ion: 75 Resp: 1375
 Ion Ratio Lower Upper
 75 100
 77 52.4 24.1 44.8#



#40
 4-Methyl-2-pentanone
 Concen: 0.673 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV010327.D
 Acq: 13 Apr 2019 19:09

Tgt Ion: 43 Resp: 3502
 Ion Ratio Lower Upper
 43 100
 58 25.0 32.3 48.5#
 100 0.0 12.0 18.0#





#42

Toluene

Concen: 4.780 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010327.D

Acq: 13 Apr 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

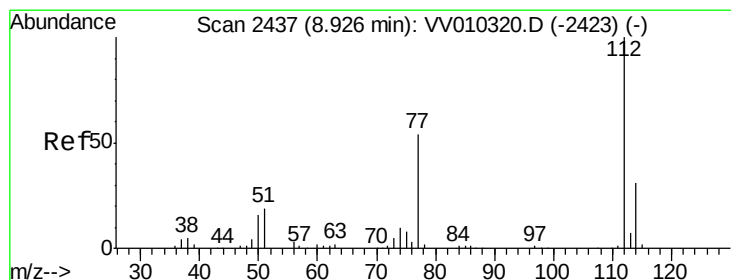
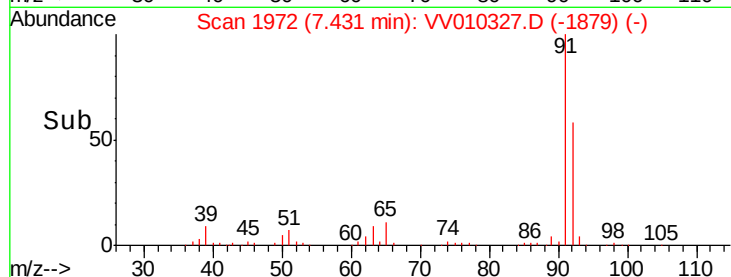
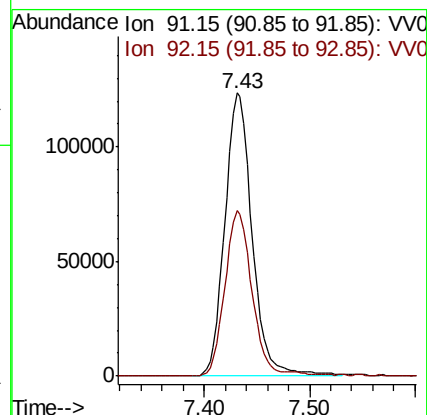
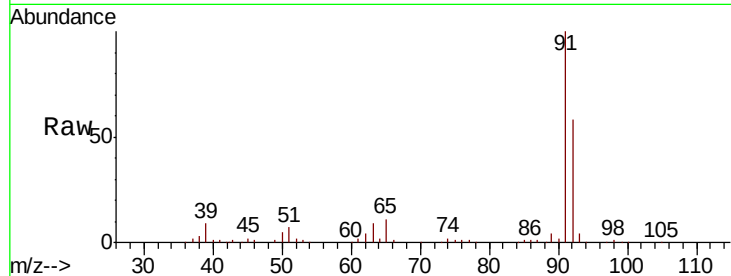
E3YC4MSD

Tot Ion: 91 Resp: 222336

Ion Ratio Lower Upper

91 100

92 58.3 39.1 72.5



#51

Chlorobenzene

Concen: 4.965 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010327.D

Acq: 13 Apr 2019 19:09

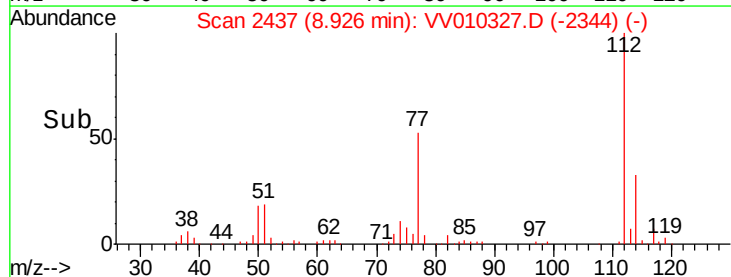
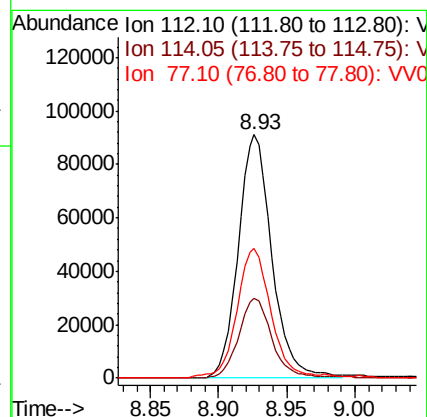
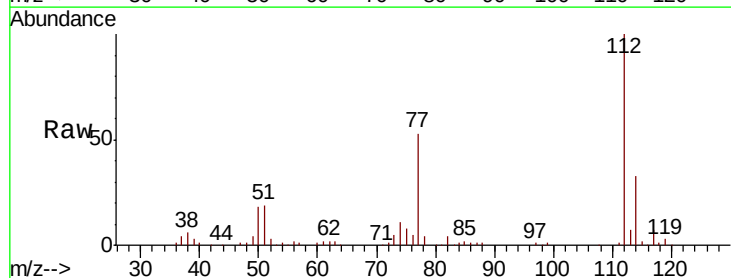
Tgt Ion: 112 Resp: 155839

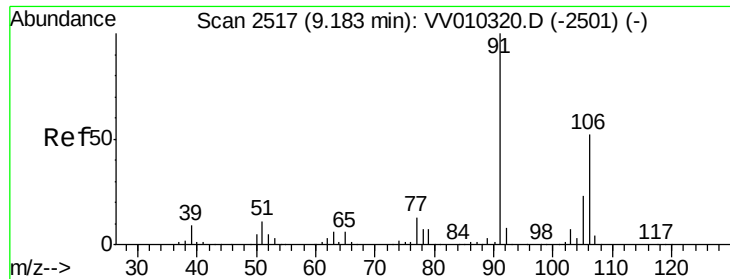
Ion Ratio Lower Upper

112 100

114 33.0 21.8 40.4

77 53.2 45.0 67.4





#53

m,p-xylene

Concen: 0.209 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV010327.D

Acq: 13 Apr 2019 19:09

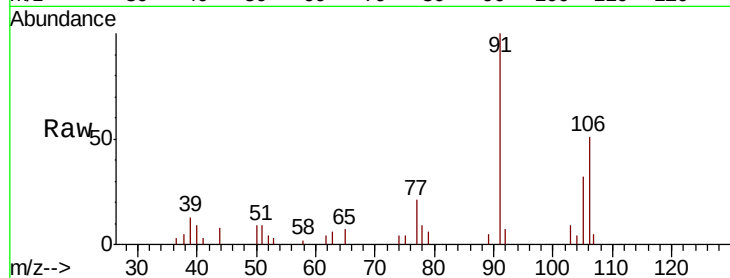
Instrument :
MSVOA_V
ClientSampleId :
E3YC4MSD

Tot Ion:106 Resp: 4096

Ion Ratio Lower Upper

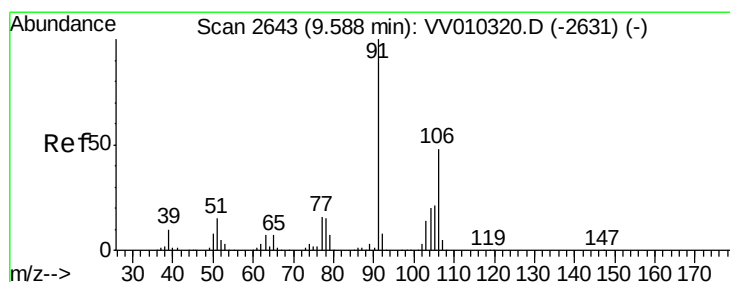
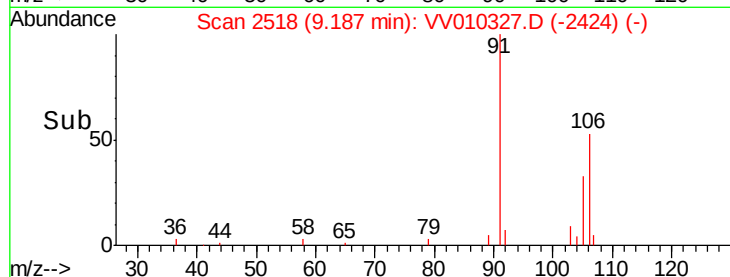
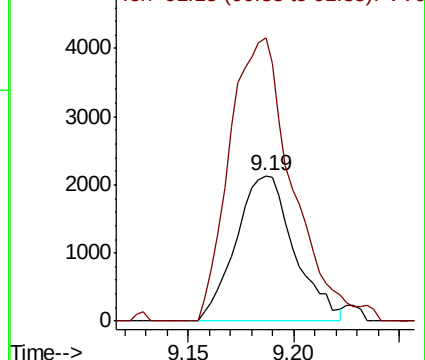
106 100

91 195.0 143.2 266.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.132 ug/L

RT: 9.59 min Scan# 2645

Delta R.T. 0.01 min

Lab File: VV010327.D

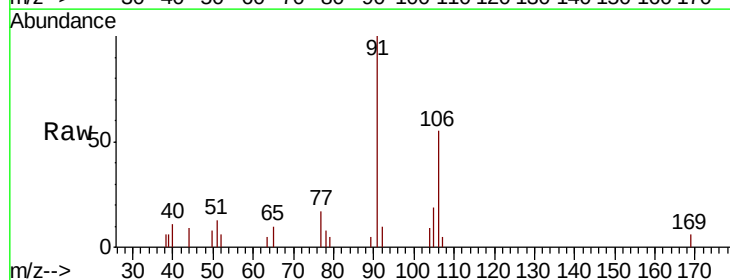
Acq: 13 Apr 2019 19:09

Tgt Ion:106 Resp: 2492

Ion Ratio Lower Upper

106 100

91 183.3 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

