

Data File : VV012845.D
Acq On : 16 Sep 2019 19:09
Operator : SY/MD
Sample : K4682-14MSD
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0BL7MSD

Quant Time: Sep 17 07:25:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 17 07:22:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	405097	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	407773	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	160690	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	163116	5.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.20%
7) Chloroethane-d5	1.58	69	149398	6.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	135.80%#
11) 1,1-Dichloroethene-d2	2.13	63	275885	5.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	118.80%
20) 2-Butanone-d5	3.97	46	408750	105.40	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	210.80%#
24) Chloroform-d	4.40	84	155739	3.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.60%
26) 1,2-Dichloroethane-d4	5.08	65	159722	7.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	157.40%#
32) Benzene-d6	5.09	84	598706	6.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	134.40%#
36) 1,2-Dichloropropane-d6	6.12	67	195619	7.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	144.20%#
41) Toluene-d8	7.36	98	481223	6.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.40%
43) trans-1,3-Dichloropropene-	7.66	79	61294	7.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	140.00%#
46) 2-Hexanone-d5	8.14	63	188137	76.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	153.24%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22753	1.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	30.60%#
64) 1,2-Dichlorobenzene-d4	11.67	152	176318	7.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	158.20%#

Target Compounds

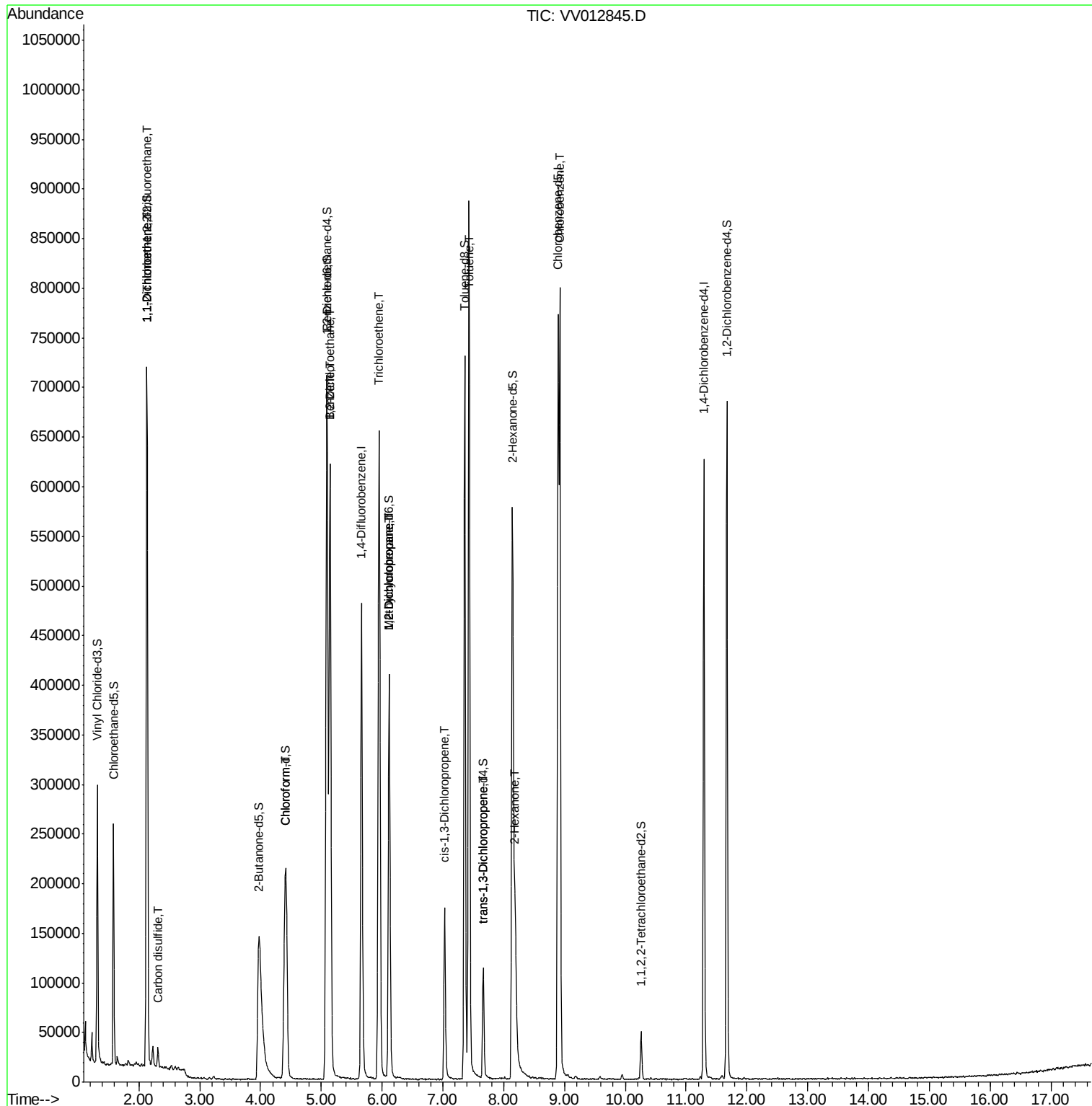
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2376	0.099	ug/L #	24
12) 1,1-Dichloroethene	2.14	96	139508	6.305	ug/L	94
14) Carbon disulfide	2.31	76	21013	0.441	ug/L	98
25) Chloroform	4.42	83	151435	2.724	ug/L	100
27) 1,2-Dichloroethane	5.14	62	5399	0.188	ug/L #	72
33) Benzene	5.14	78	612615	5.945	ug/L	100
34) Trichloroethene	5.96	95	154322	5.248	ug/L	97
35) Methylcyclohexane	6.12	83	46585	1.289	ug/L #	16
37) 1,2-Dichloropropane	6.11	63	20874	0.753	ug/L #	85
39) cis-1,3-Dichloropropene	7.03	75	4381	0.127	ug/L #	66
42) Toluene	7.43	91	631444	5.994	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	2714	0.099	ug/L #	49
48) 2-Hexanone	8.19	43	102608	8.780	ug/L	91
51) Chlorobenzene	8.92	112	406449	5.584	ug/L	99

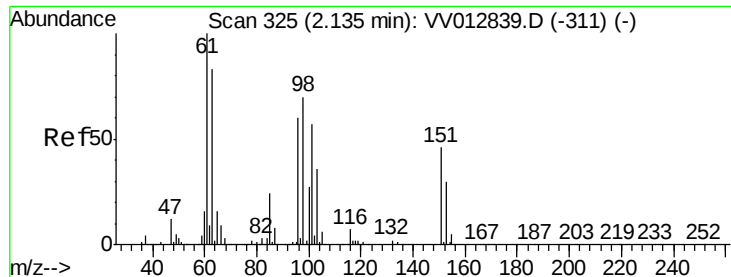
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV012845.D
Acq On : 16 Sep 2019 19:09
Operator : SY/MD
Sample : K4682-14MSD
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0BL7MSD

Quant Time: Sep 17 07:25:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 17 07:22:21 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.099 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012845.D

Acq: 16 Sep 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

H0BL7MSD

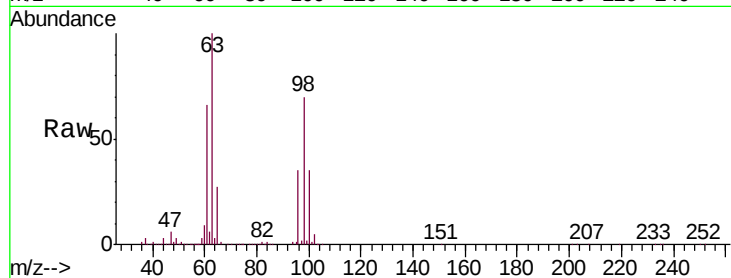
Tgt Ion: 101 Resp: 2376

Ion Ratio Lower Upper

101 100

85 9.6 32.9 49.3#

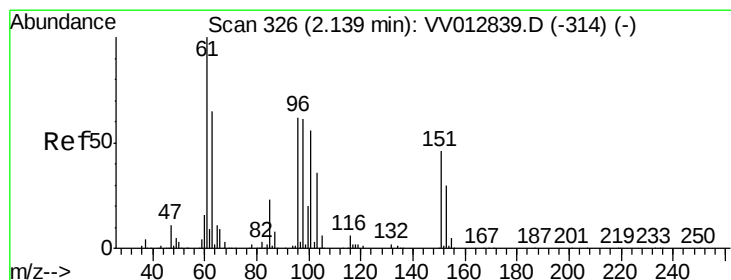
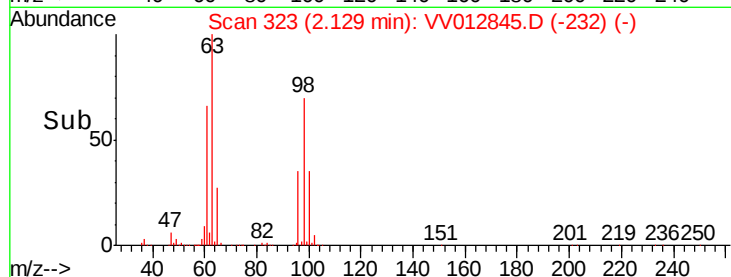
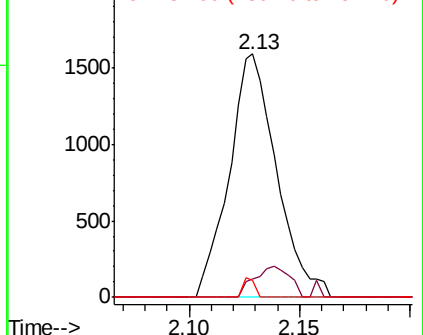
151 2.0 65.0 97.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 6.305 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012845.D

Acq: 16 Sep 2019 19:09

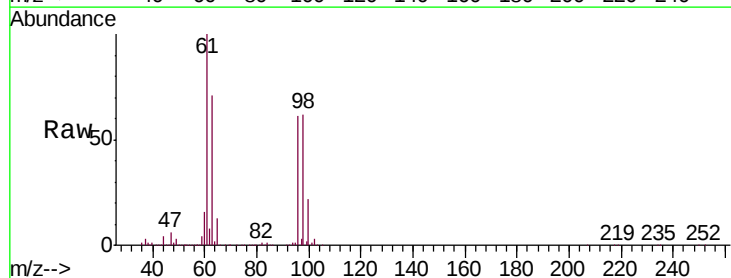
Tgt Ion: 96 Resp: 139508

Ion Ratio Lower Upper

96 100

61 164.4 120.1 223.1

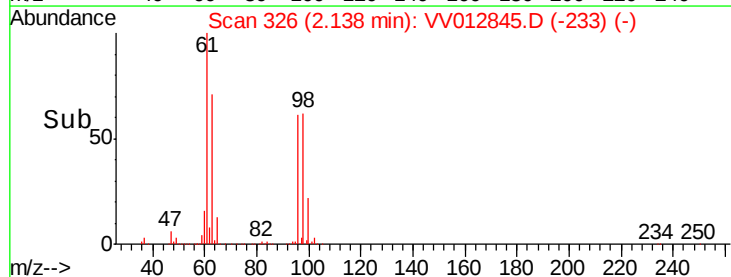
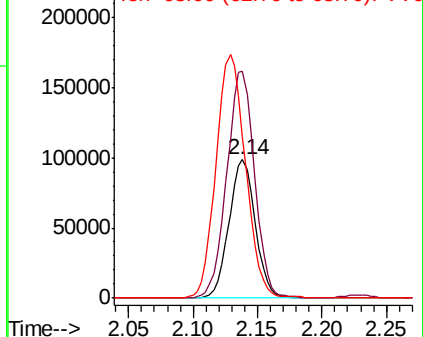
63 117.0 88.3 164.1

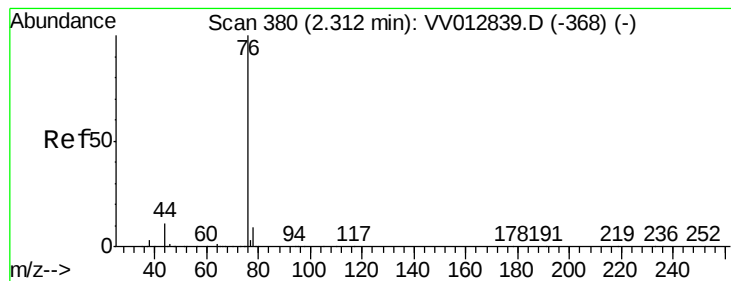


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.441 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012845.D

Acq: 16 Sep 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

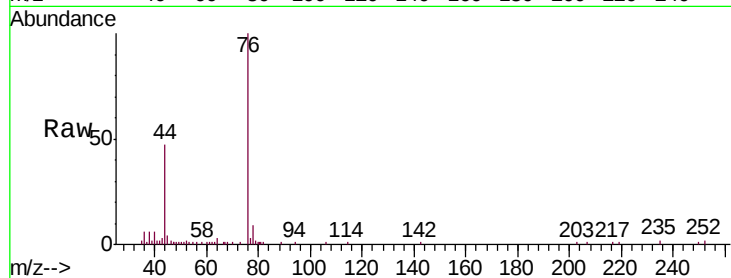
H0BL7MSD

Tgt Ion: 76 Resp: 21013

Ion Ratio Lower Upper

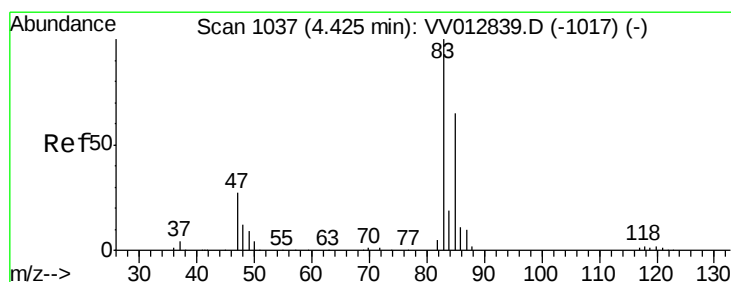
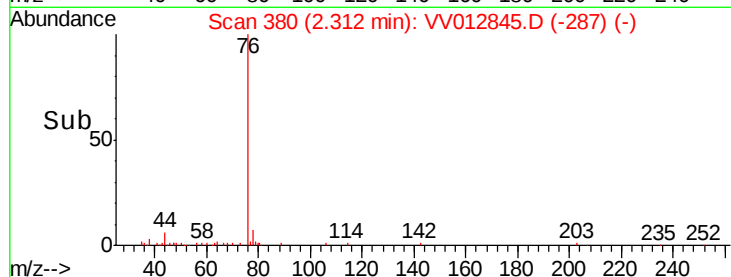
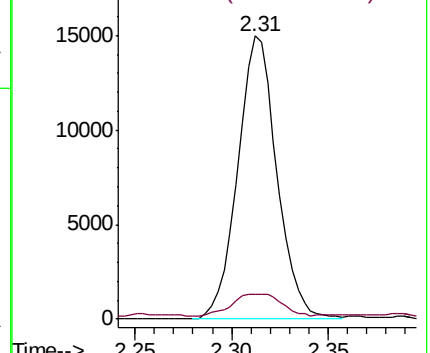
76 100

78 8.8 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#25

Chloroform

Concen: 2.724 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV012845.D

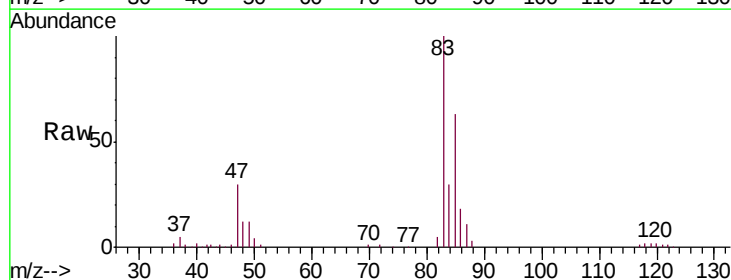
Acq: 16 Sep 2019 19:09

Tgt Ion: 83 Resp: 151435

Ion Ratio Lower Upper

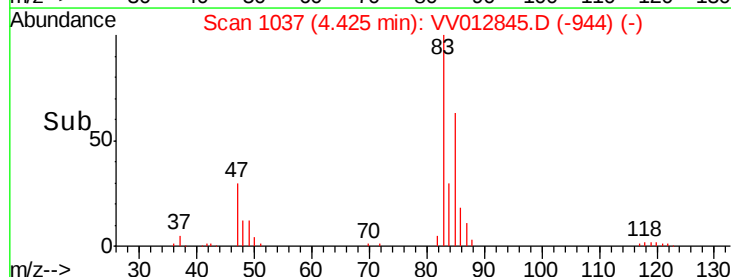
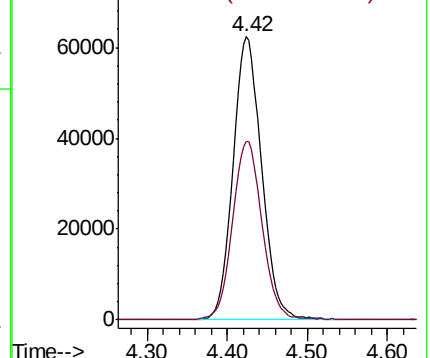
83 100

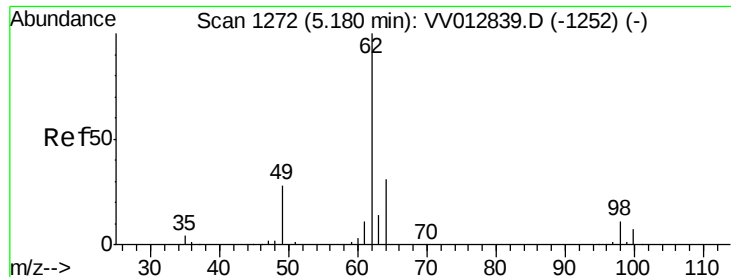
85 63.1 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

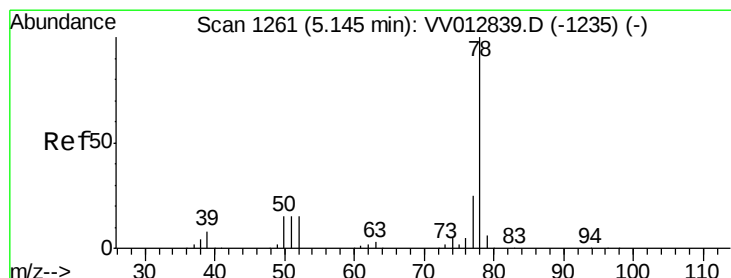
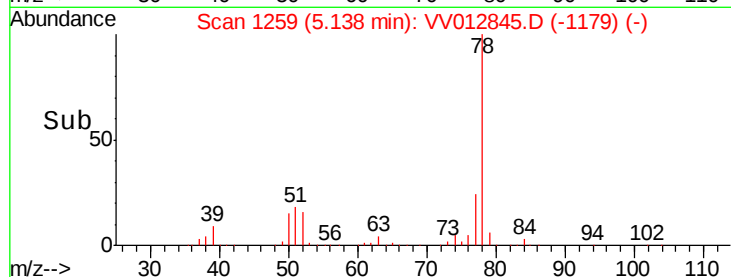
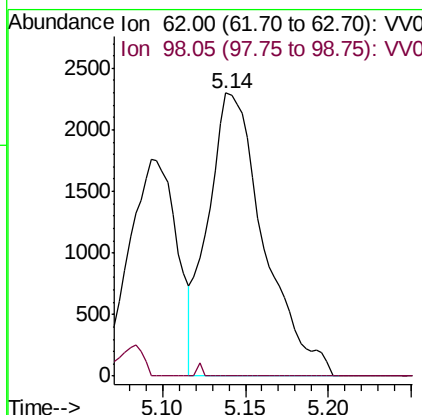
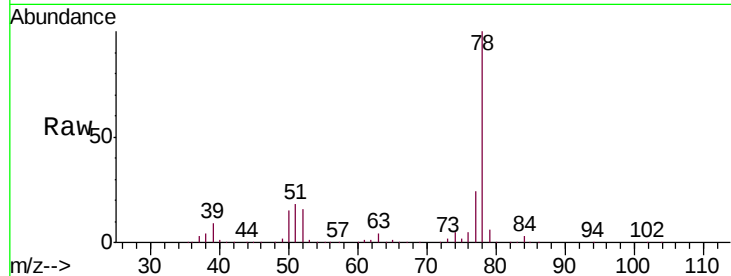




#27
 1,2-Dichloroethane
 Concen: 0.188 ug/L
 RT: 5.14 min Scan# 1259
 Delta R.T. -0.04 min
 Lab File: VV012845.D
 Acq: 16 Sep 2019 19:09

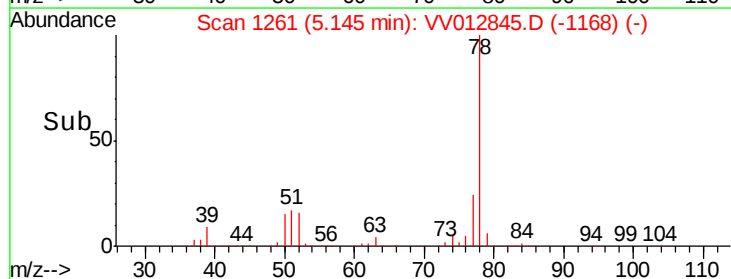
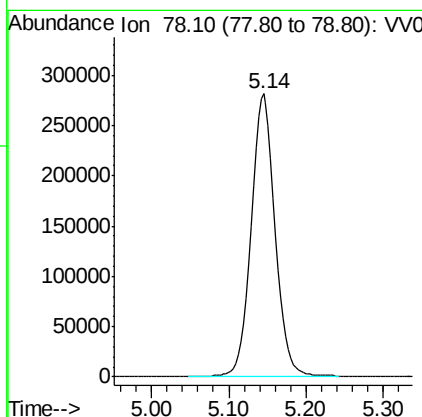
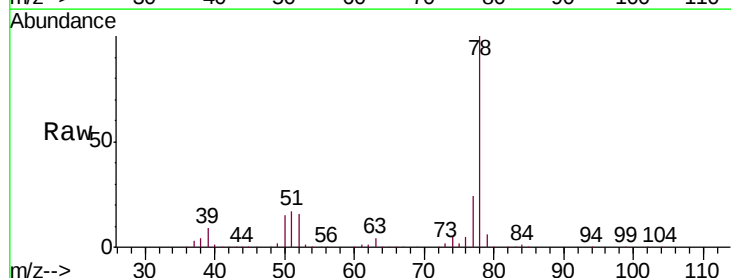
Instrument :
 MSVOA_V
 ClientSampleId :
 H0BL7MSD

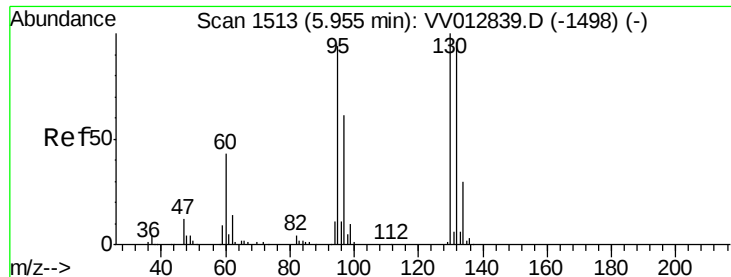
Tgt Ion: 62 Resp: 5399
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.3 12.5#



#33
 Benzene
 Concen: 5.945 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VV012845.D
 Acq: 16 Sep 2019 19:09

Tgt Ion: 78 Resp: 612615

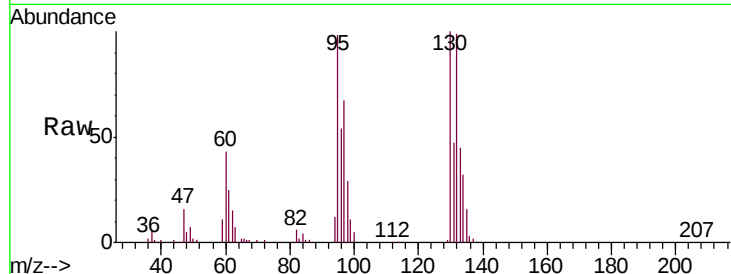




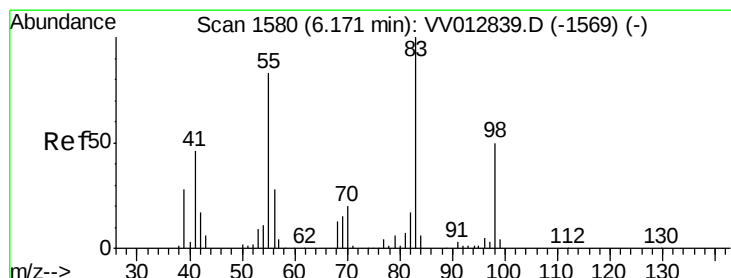
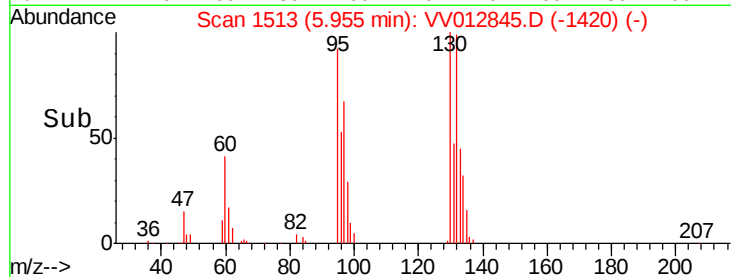
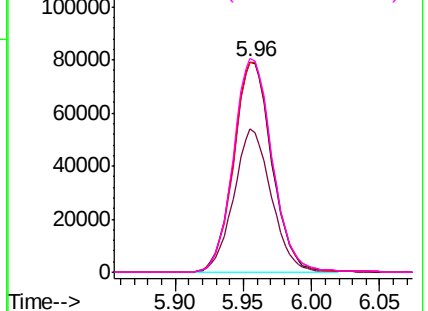
#34
 Trichloroethene
 Concen: 5.248 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV012845.D
 Acq: 16 Sep 2019 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 H0BL7MSD

Tgt Ion:	95	Resp:	154322
Ion	Ratio	Lower	Upper
95	100		
97	68.0	44.4	82.4
132	100.1	69.0	128.1
130	101.6	72.8	135.2

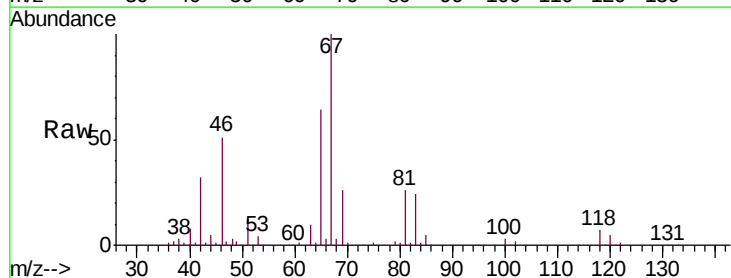


Abundance Ion 95.00 (94.70 to 95.70): VV012845.D (-1420) (-)
 Ion 96.95 (96.65 to 97.65): VV012845.D (-1420) (-)
 Ion 131.95 (131.65 to 132.65): VV012845.D (-1420) (-)
 Ion 129.95 (129.65 to 130.65): VV012845.D (-1420) (-)

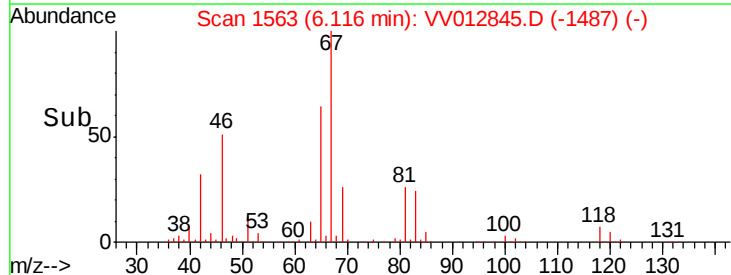
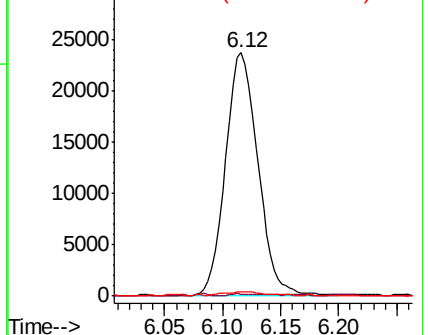


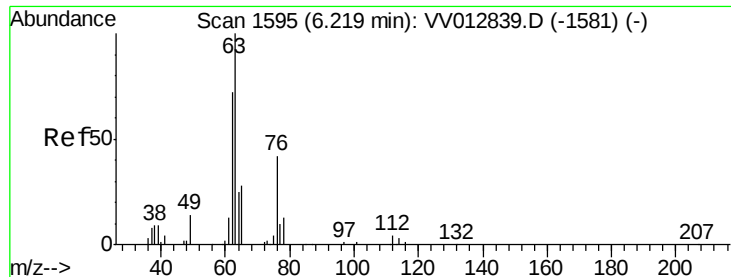
#35
 Methylcyclohexane
 Concen: 1.289 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.05 min
 Lab File: VV012845.D
 Acq: 16 Sep 2019 19:09

Tgt Ion:	83	Resp:	46585
Ion	Ratio	Lower	Upper
83	100		
55	0.6	65.4	98.2#
98	0.0	39.0	58.4#



Abundance Ion 83.15 (82.85 to 83.85): VV012845.D (-1487) (-)
 Ion 55.10 (54.80 to 55.80): VV012845.D (-1487) (-)
 Ion 98.15 (97.85 to 98.85): VV012845.D (-1487) (-)





#37

1,2-Dichloropropane

Concen: 0.753 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.11 min

Lab File: VV012845.D

Acq: 16 Sep 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

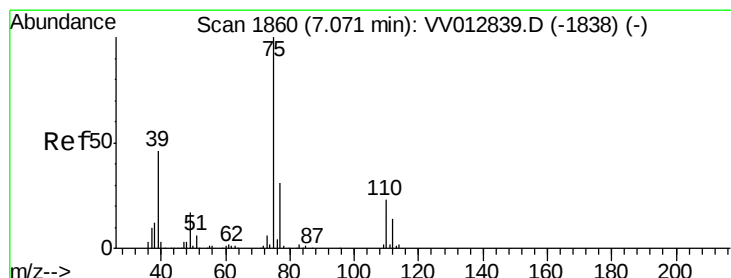
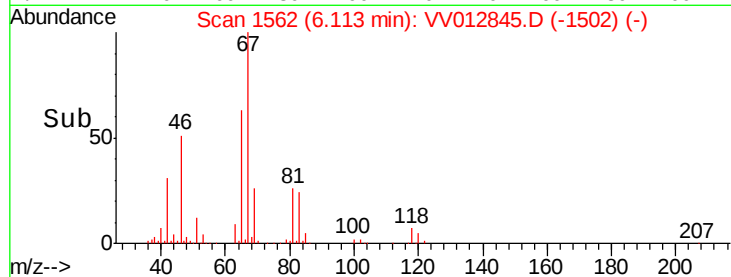
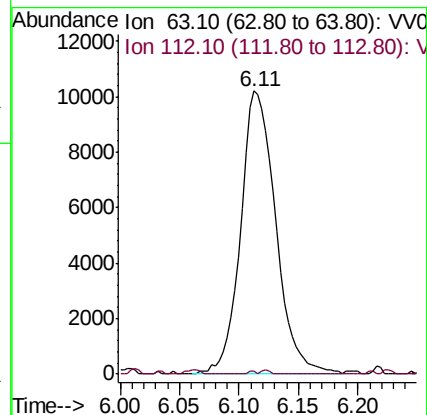
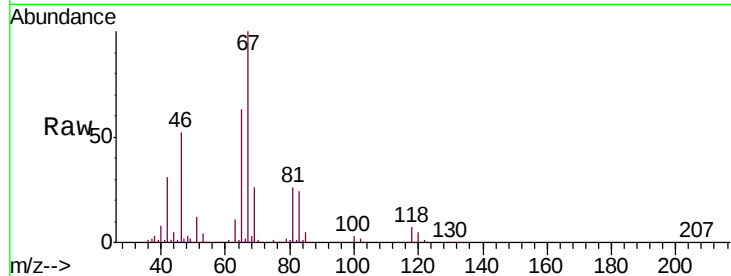
H0BL7MSD

Tgt Ion: 63 Resp: 20874

Ion Ratio Lower Upper

63 100

112 0.2 4.2 6.2#



#39

cis-1,3-Dichloropropene

Concen: 0.127 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.05 min

Lab File: VV012845.D

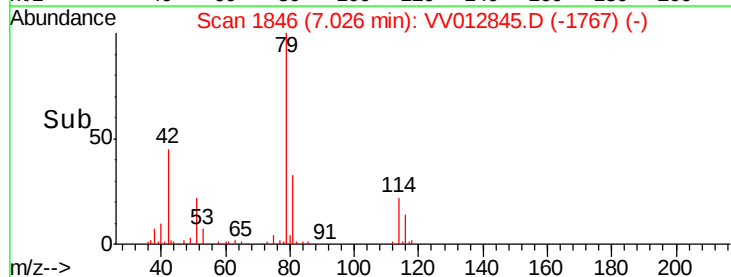
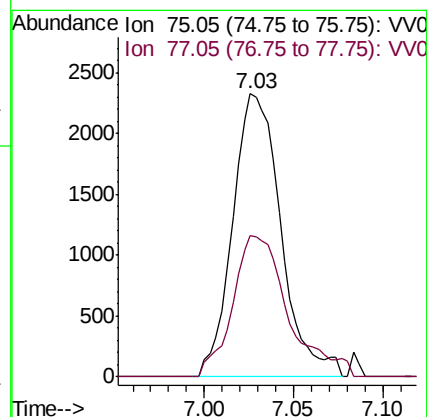
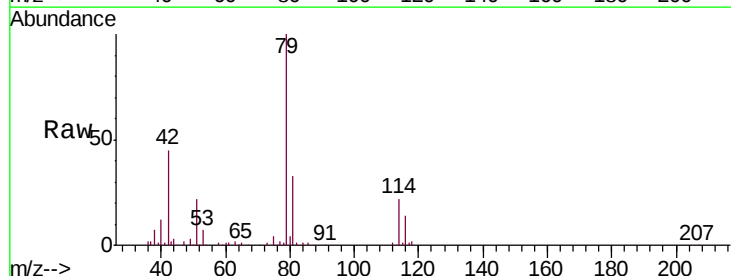
Acq: 16 Sep 2019 19:09

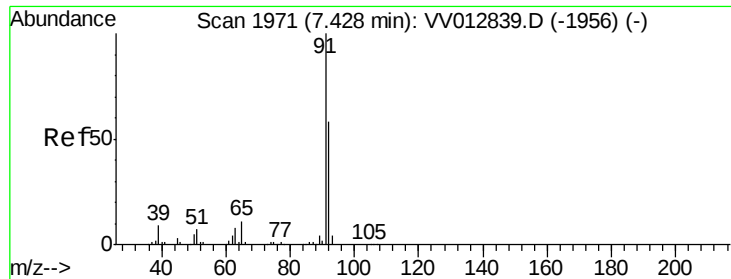
Tgt Ion: 75 Resp: 4381

Ion Ratio Lower Upper

75 100

77 49.8 21.8 40.6#





#42

Toluene

Concen: 5.994 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012845.D

Acq: 16 Sep 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

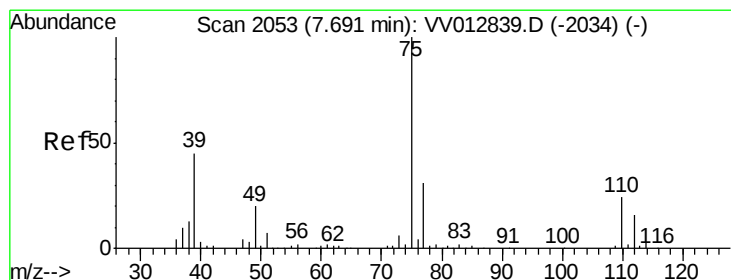
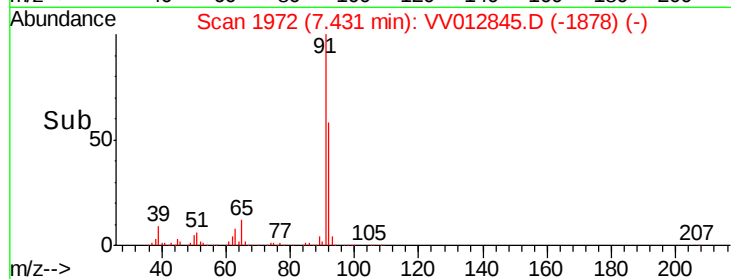
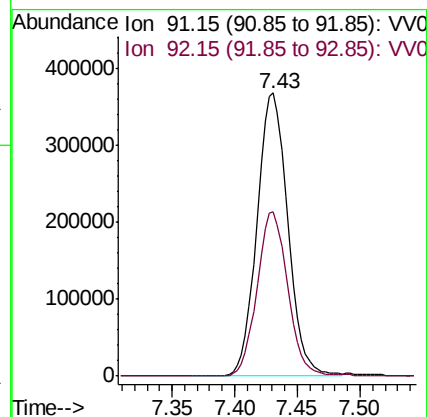
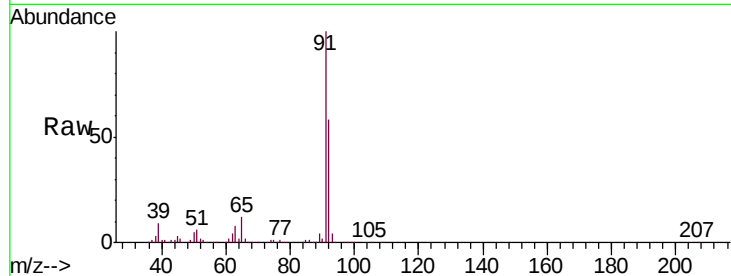
H0BL7MSD

Tgt Ion: 91 Resp: 631444

Ion Ratio Lower Upper

91 100

92 58.2 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012845.D

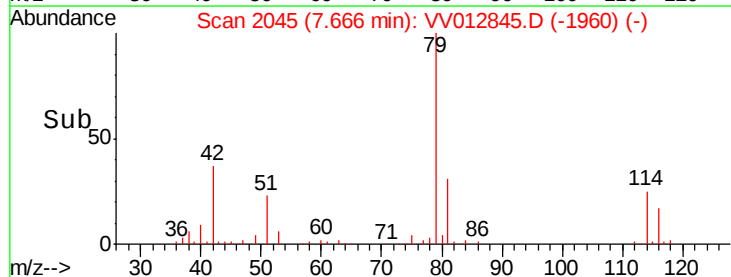
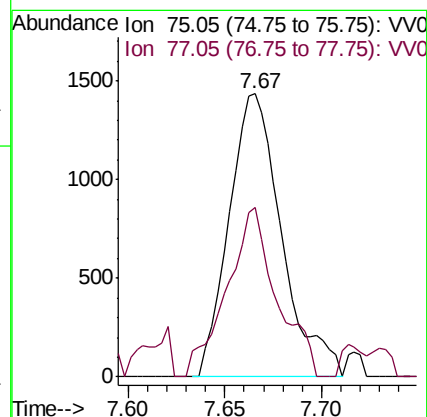
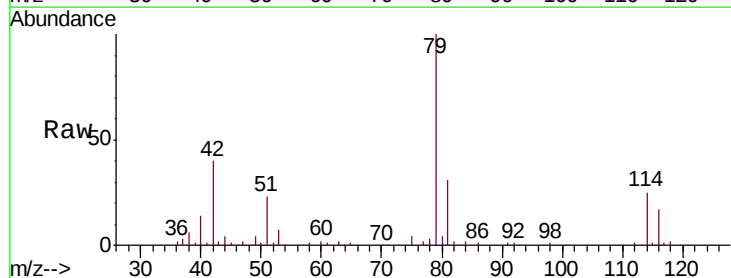
Acq: 16 Sep 2019 19:09

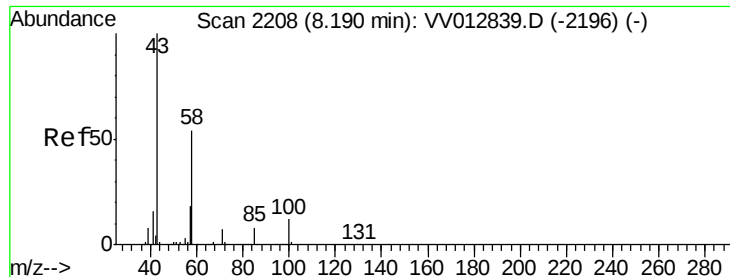
Tgt Ion: 75 Resp: 2714

Ion Ratio Lower Upper

75 100

77 59.9 22.3 41.3#

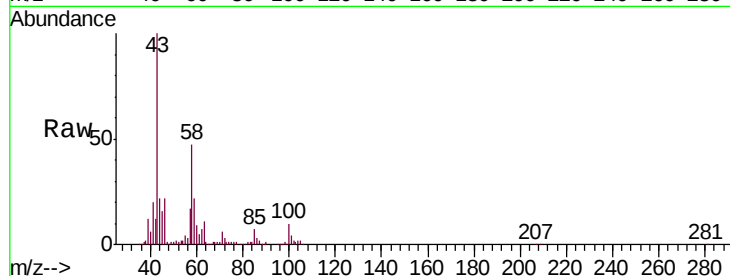




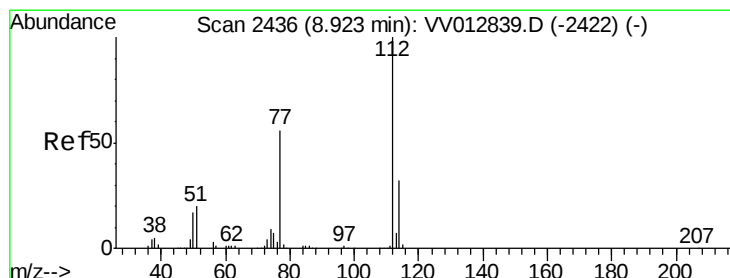
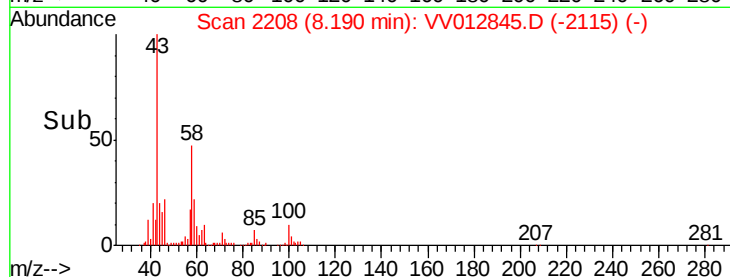
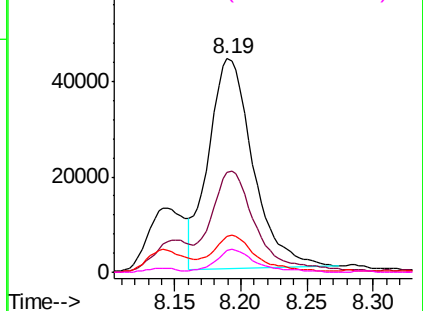
#48
2-Hexanone
Concen: 8.780 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV012845.D
Acq: 16 Sep 2019 19:09

Instrument :
MSVOA_V
ClientSampleId :
H0BL7MSD

Tgt Ion:	43	Resp:	102608
Ion	Ratio	Lower	Upper
43	100		
58	47.7	44.8	67.2
57	16.9	15.0	22.6
100	10.0	8.8	13.2

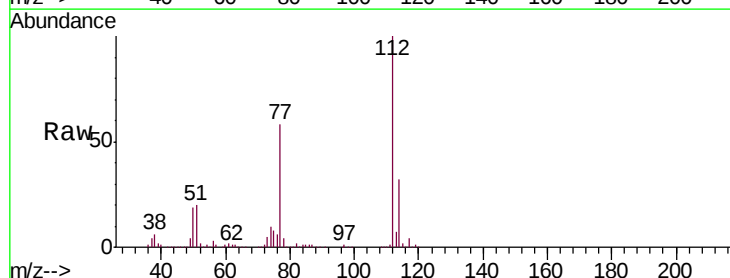


Abundance Ion 43.05 (42.75 to 43.75): VV012845.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV012845.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV012845.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV012845.D (-2115) (-)



#51
Chlorobenzene
Concen: 5.584 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012845.D
Acq: 16 Sep 2019 19:09

Tgt Ion:	112	Resp:	406449
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.0	41.0
77	58.3	45.7	68.5



Abundance Ion 112.10 (111.80 to 112.80): VV012845.D (-2343) (-)
Ion 114.05 (113.75 to 114.75): VV012845.D (-2343) (-)
Ion 77.10 (76.80 to 77.80): VV012845.D (-2343) (-)

