

Data File : VV013643.D
Acq On : 15 Nov 2019 17:03
Operator : SY/MD
Sample : K5855-11
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQF9

Quant Time: Nov 15 23:53:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 15 23:49:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	375219	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	365255	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	165926	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107322	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.58	69	97670	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.12	63	144158	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	3.96	46	250486	46.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.46%
24) Chloroform-d	4.39	84	232947	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.08	65	115300	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.09	84	463653	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.11	67	141382	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.35	98	408156	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	7.66	79	49999	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.14	63	187404	42.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.54%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	92831	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	155112	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1808	0.078	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1913	0.085	ug/L #	1
13) Acetone	2.23	43	13333	3.943	ug/L	82
14) Carbon disulfide	2.31	76	3236	0.042	ug/L #	54
25) Chloroform	4.42	83	7917	0.118	ug/L	82
27) 1,2-Dichloroethane	5.09	62	3087	0.104	ug/L	99
35) Methylcyclohexane	6.11	83	33974	0.753	ug/L #	18
37) 1,2-Dichloropropane	6.11	63	14842	0.561	ug/L #	86
38) Bromodichloromethane	6.56	83	2873	0.078	ug/L	99
42) Toluene	7.43	91	43000	0.364	ug/L	98
48) 2-Hexanone	8.19	43	13247	1.213	ug/L #	79
53) m,p-xylene	9.18	106	6220	0.131	ug/L	89
54) o-xylene	9.58	106	6656	0.146	ug/L	96
63) 1,4-Dichlorobenzene	11.31	146	24574	0.435	ug/L	96
65) 1,2-Dichlorobenzene	11.68	146	3663	0.071	ug/L #	87
67) 1,3,5-Trichlorobenzene	12.69	180	4447	0.096	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	5732	0.151	ug/L	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111519\
Quantitation Report (Not Reviewed)

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QLast Update : Fri Nov 15 23:49:05 2019
Response via : Initial Calibration

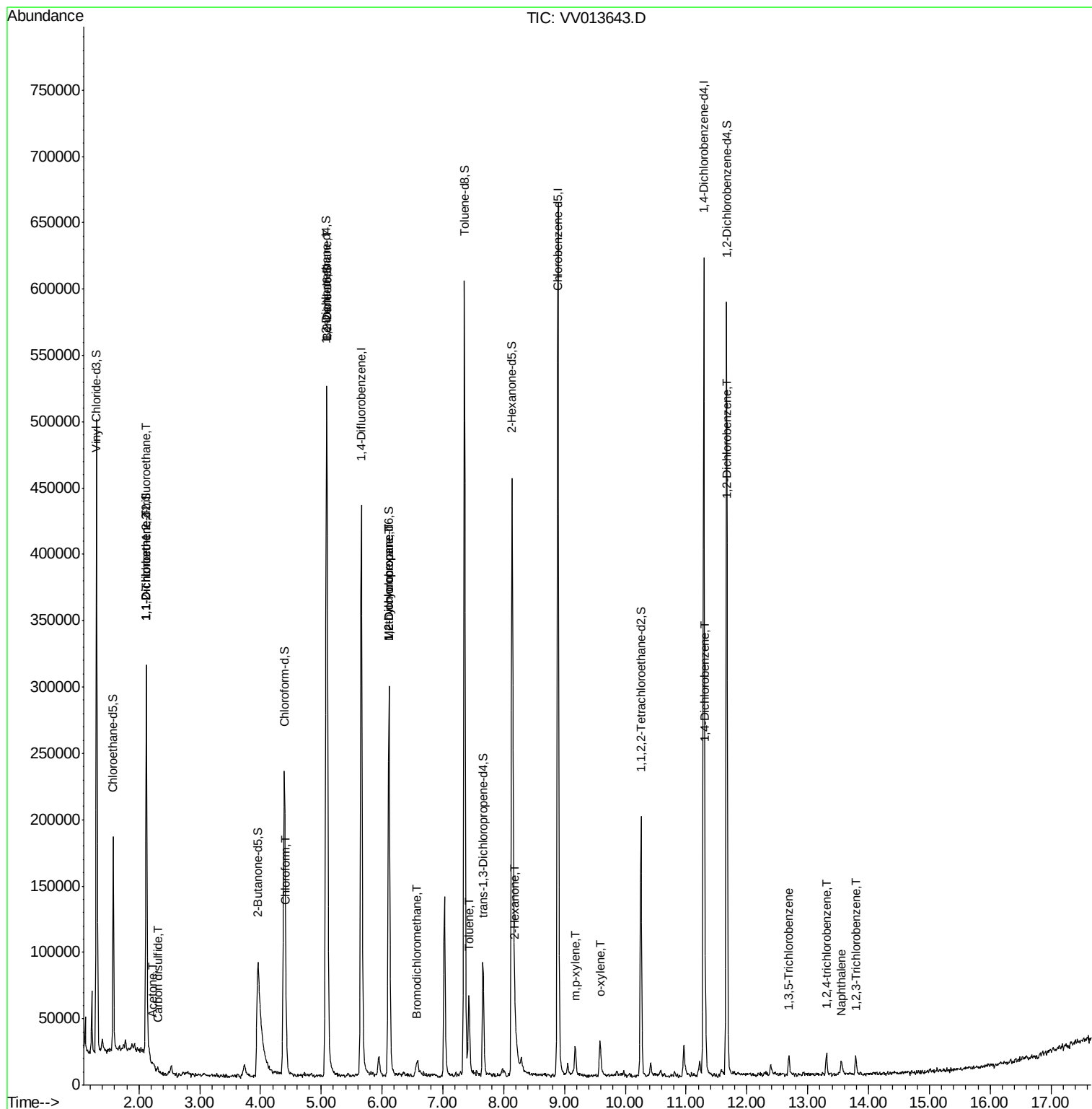
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.55	128	8263	0.160	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	4017	0.116	ug/L #	87

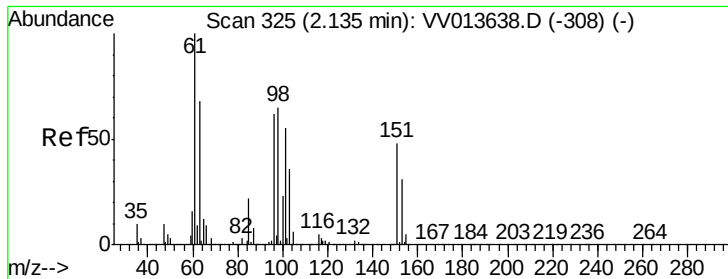
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.078 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013643.D

Acq: 15 Nov 2019 17:03

Instrument :

MSVOA_V

ClientSampleId :

GAQF9

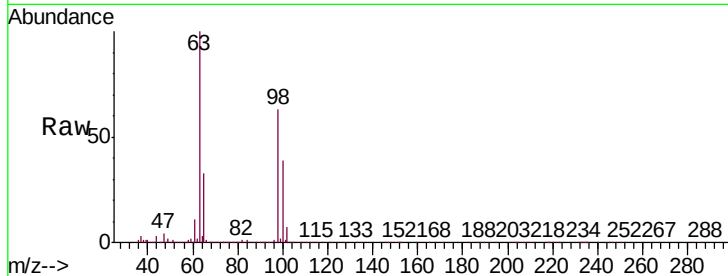
Tgt Ion: 101 Resp: 1808

Ion Ratio Lower Upper

101 100

85 9.1 32.0 48.0#

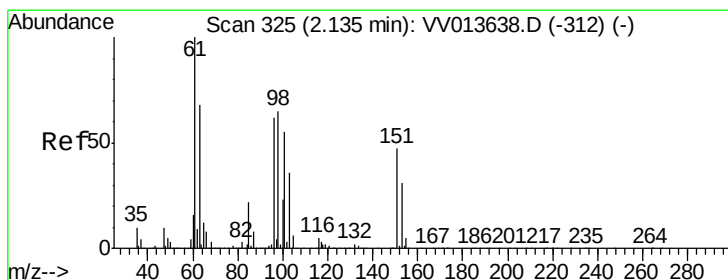
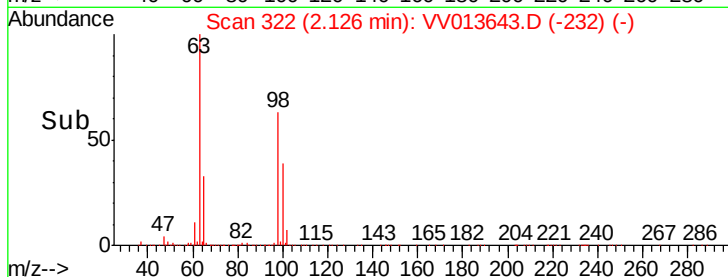
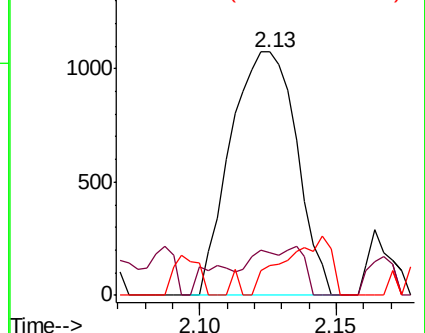
151 0.0 69.0 103.6#



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: 0.085 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.02 min

Lab File: VV013643.D

Acq: 15 Nov 2019 17:03

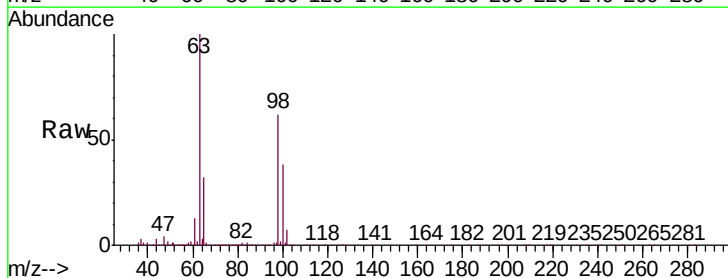
Tgt Ion: 96 Resp: 1913

Ion Ratio Lower Upper

96 100

61 1145.6 112.5 208.9#

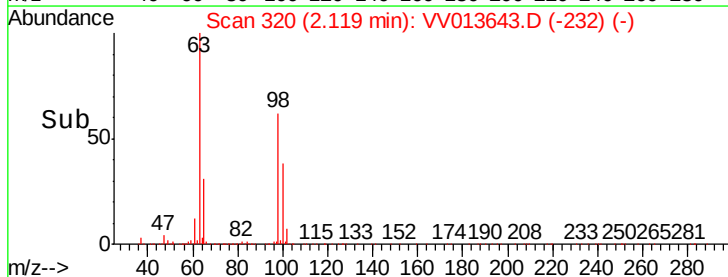
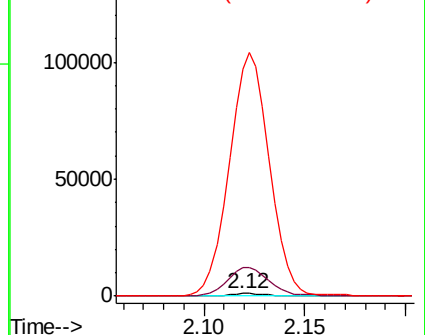
63 9092.6 76.9 142.7#

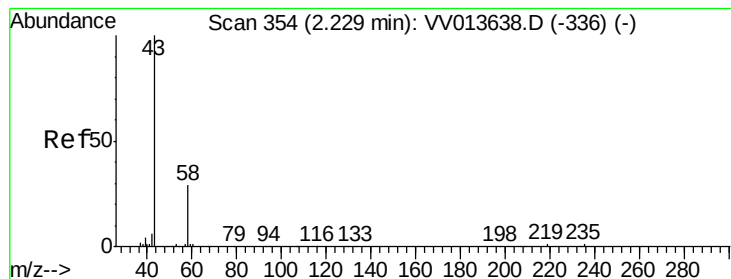


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.943 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV013643.D

Acq: 15 Nov 2019 17:03

Instrument :

MSVOA_V

ClientSampleId :

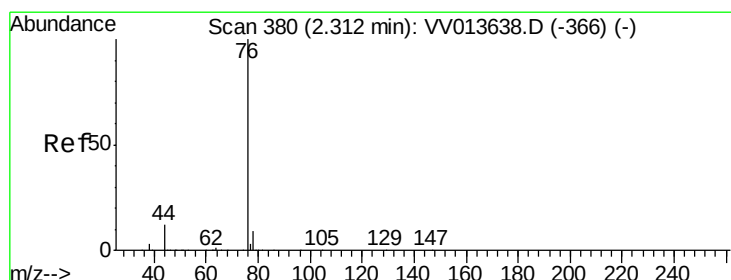
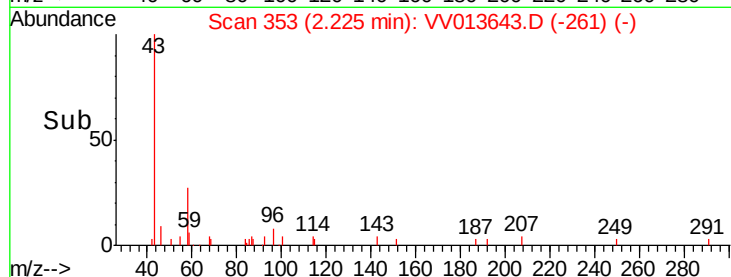
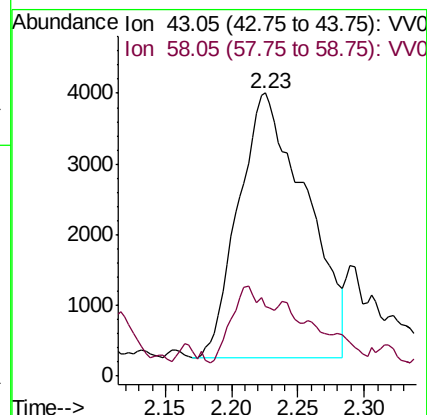
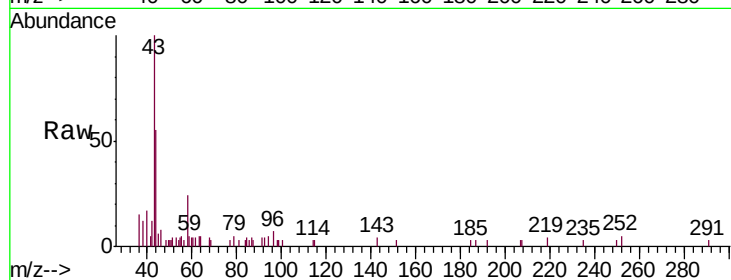
GAQF9

Tgt Ion: 43 Resp: 13333

Ion Ratio Lower Upper

43 100

58 15.0 0.0 17.0



#14

Carbon disulfide

Concen: 0.042 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013643.D

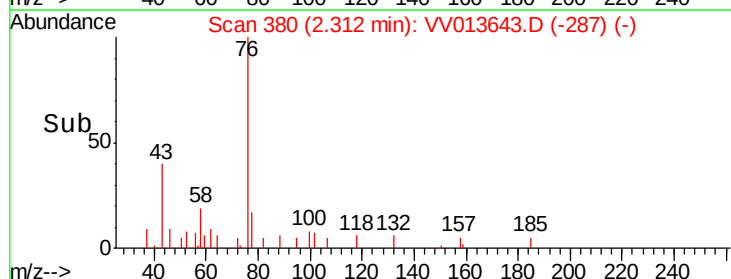
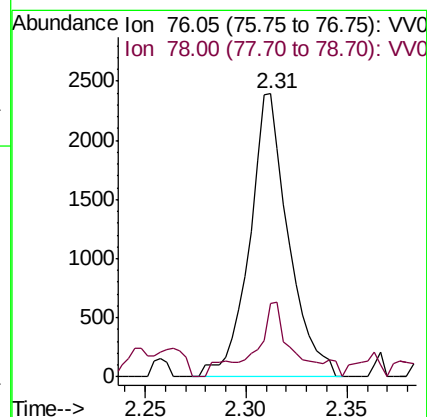
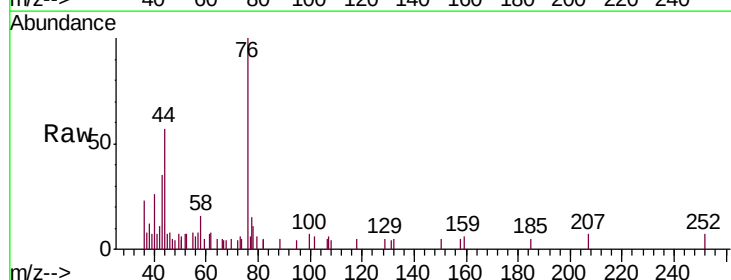
Acq: 15 Nov 2019 17:03

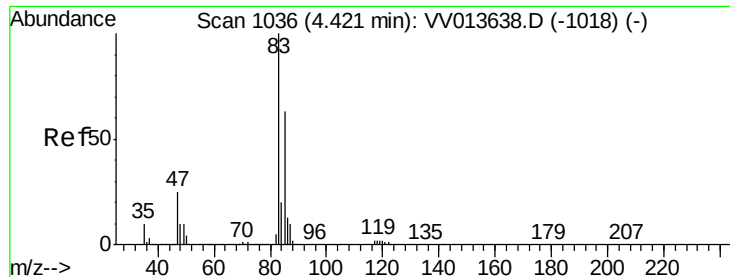
Tgt Ion: 76 Resp: 3236

Ion Ratio Lower Upper

76 100

78 26.0 7.4 11.2#

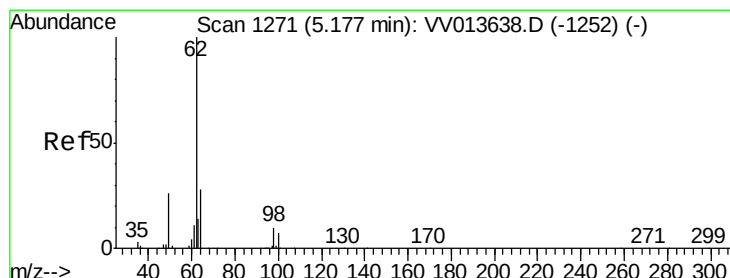
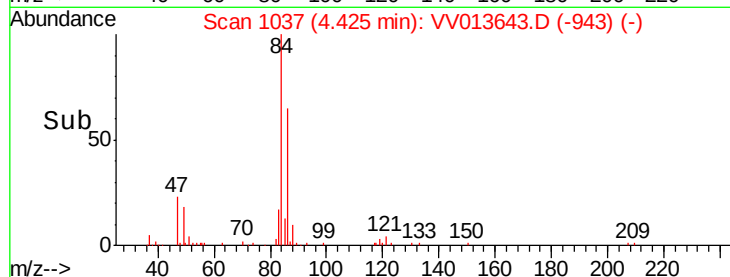
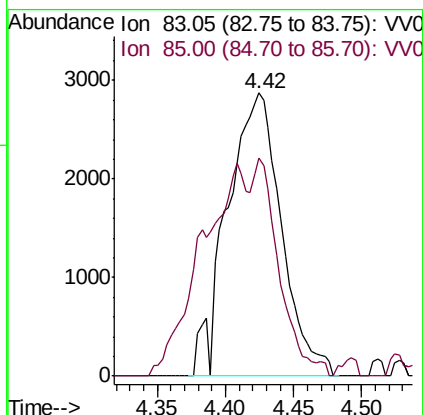
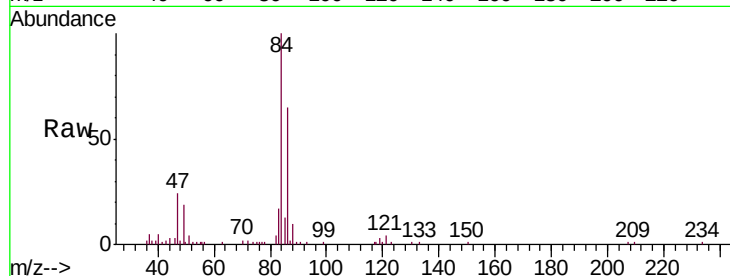




#25
Chloroform
Concen: 0.118 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013643.D
Acq: 15 Nov 2019 17:03

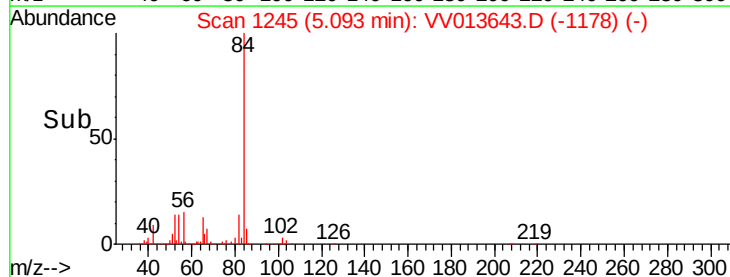
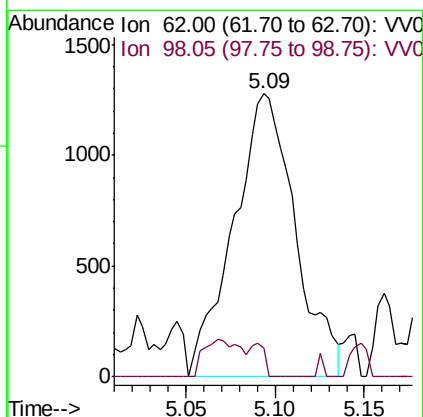
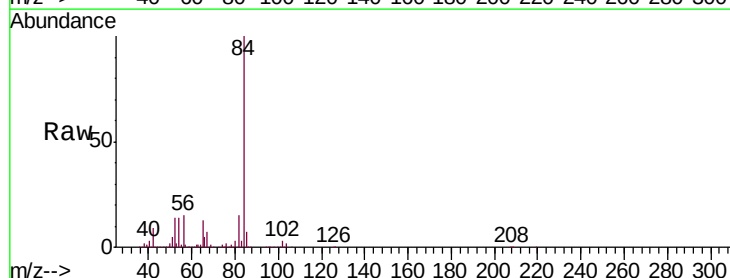
Instrument :
MSVOA_V
ClientSampleId :
GAQF9

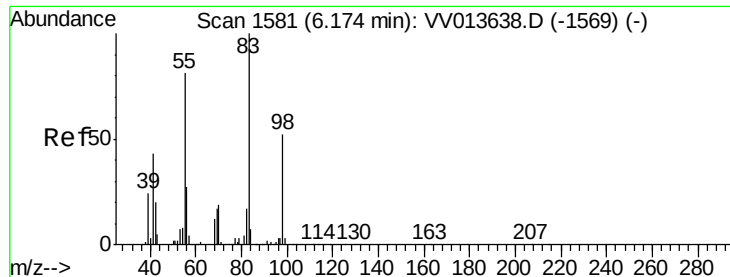
Tgt Ion: 83 Resp: 7917
Ion Ratio Lower Upper
83 100
85 77.2 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.104 ug/L
RT: 5.09 min Scan# 1245
Delta R.T. -0.08 min
Lab File: VV013643.D
Acq: 15 Nov 2019 17:03

Tgt Ion: 62 Resp: 3087
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.2

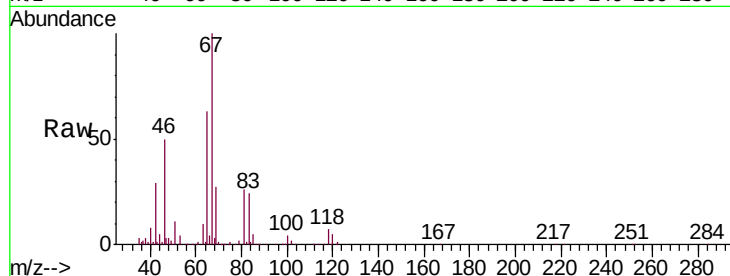




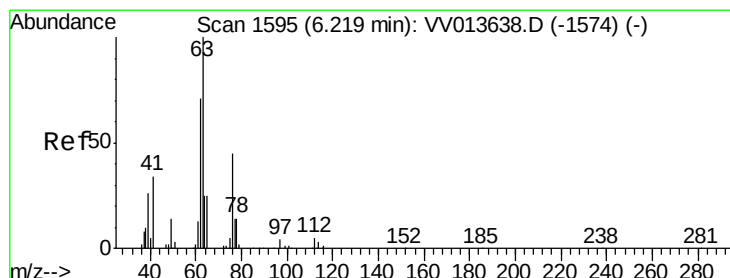
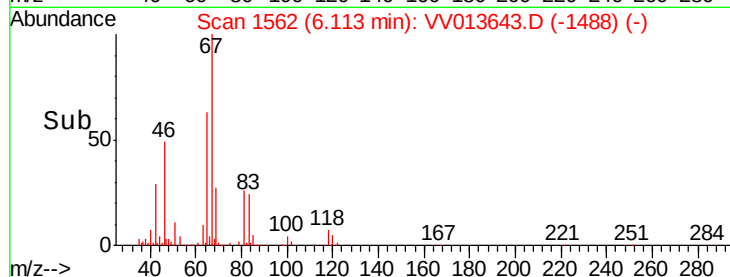
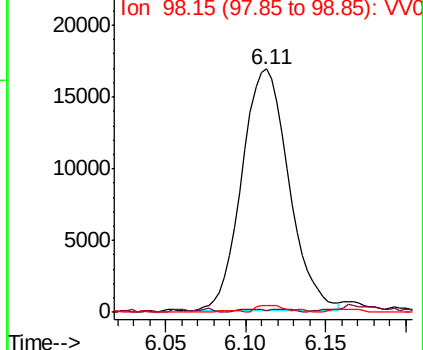
#35
Methylcyclohexane
Concen: 0.753 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013643.D
Acq: 15 Nov 2019 17:03

Instrument :
MSVOA_V
ClientSampleId :
GAQF9

Tgt Ion: 83 Resp: 33974
Ion Ratio Lower Upper
83 100
55 0.7 64.1 96.1#
98 1.9 38.2 57.2#

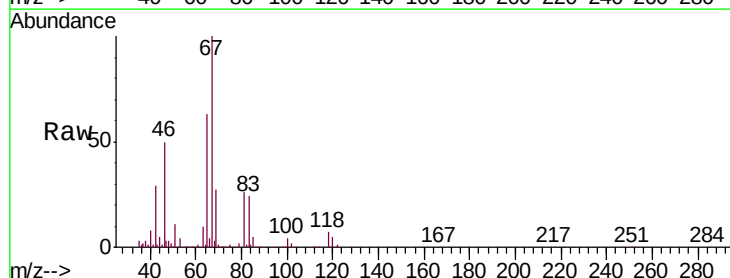


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

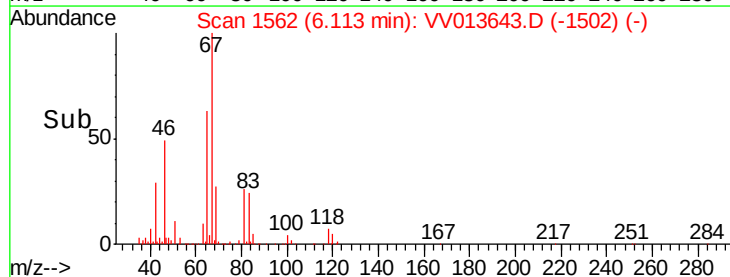
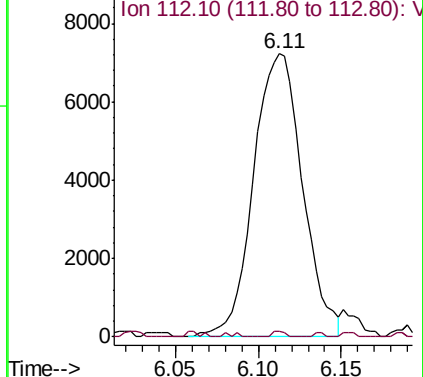


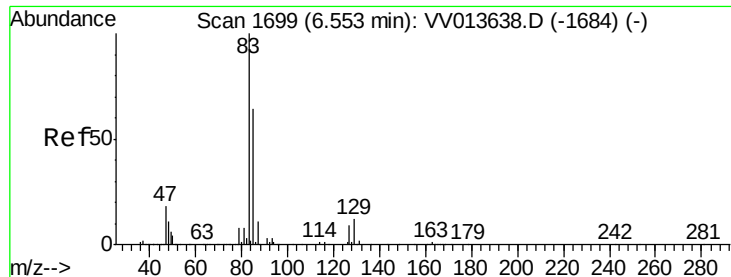
#37
1,2-Dichloropropane
Concen: 0.561 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV013643.D
Acq: 15 Nov 2019 17:03

Tgt Ion: 63 Resp: 14842
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





#38

Bromodichloromethane

Concen: 0.078 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV013643.D

Acq: 15 Nov 2019 17:03

Instrument :

MSVOA_V

ClientSampled :

GAQF9

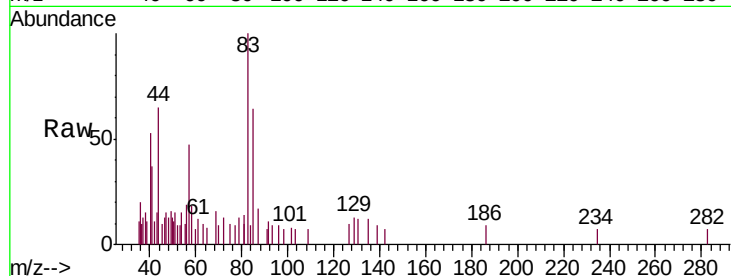
Tgt Ion: 83 Resp: 2873

Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.5

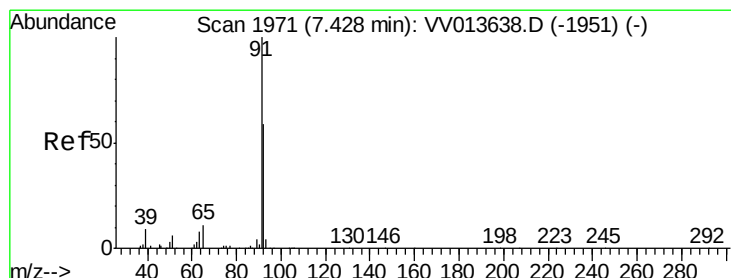
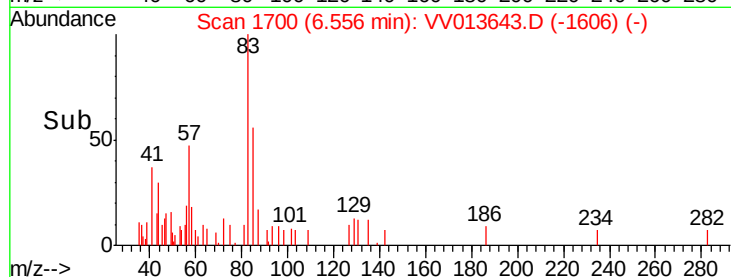
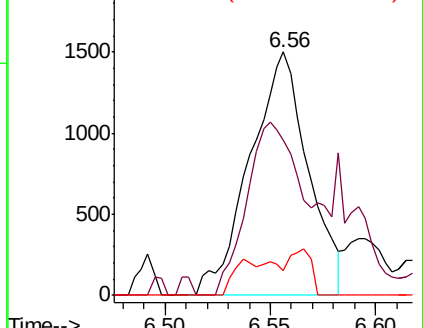
127 10.0 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VV013643.D (-1699) (-)

Ion 85.00 (84.70 to 85.70): VV013643.D (-1699) (-)

Ion 126.90 (126.60 to 127.60): VV013643.D (-1699) (-)



#42

Toluene

Concen: 0.364 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013643.D

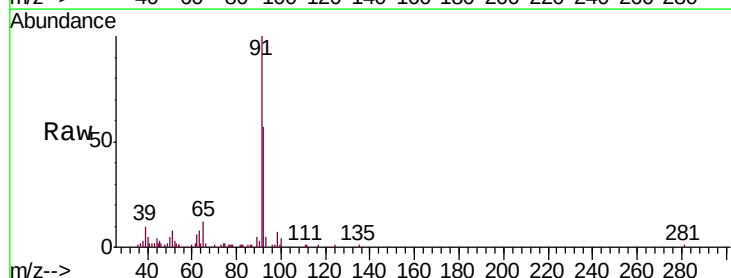
Acq: 15 Nov 2019 17:03

Tgt Ion: 91 Resp: 43000

Ion Ratio Lower Upper

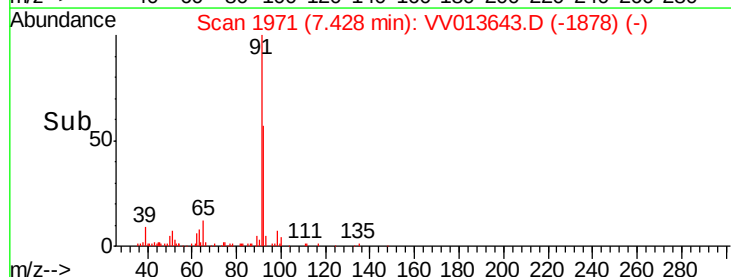
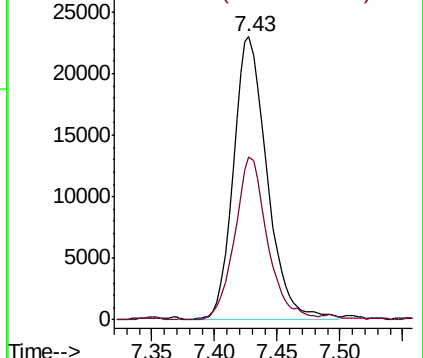
91 100

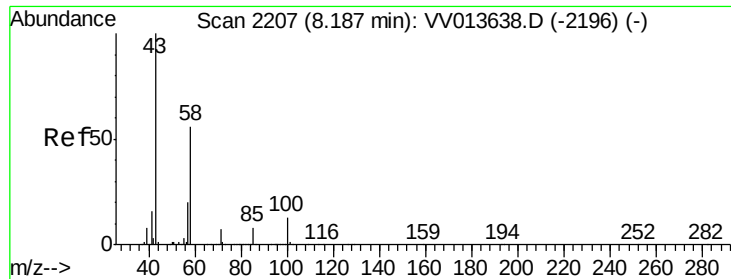
92 57.4 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV013643.D (-1878) (-)

Ion 92.15 (91.85 to 92.85): VV013643.D (-1878) (-)

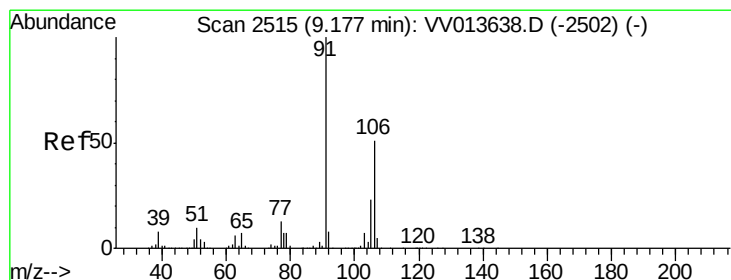
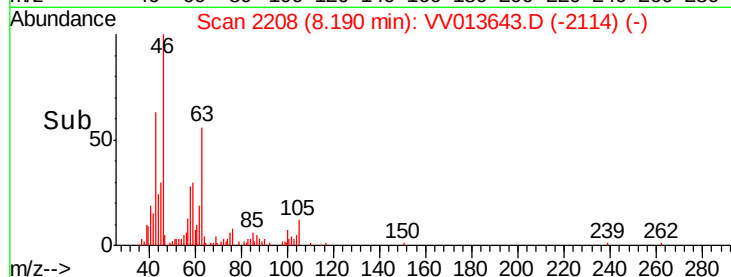
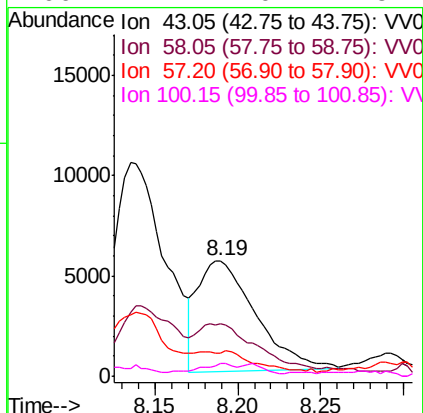
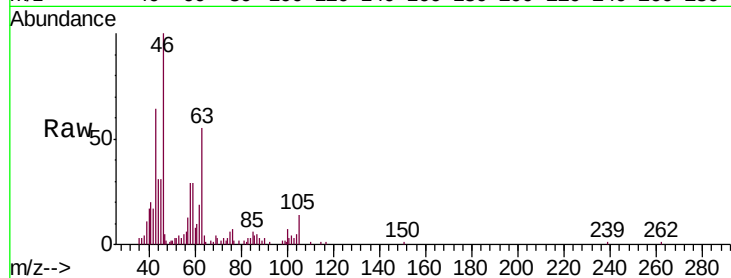




#48
2-Hexanone
Concen: 1.213 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV013643.D
Acq: 15 Nov 2019 17:03

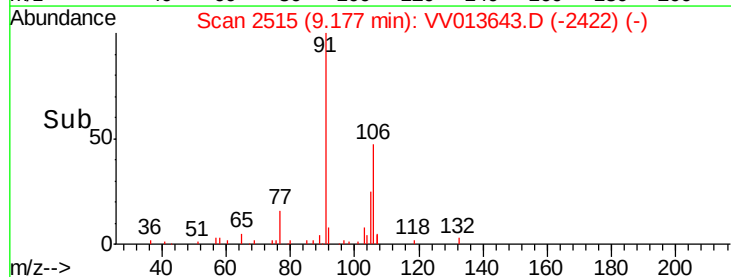
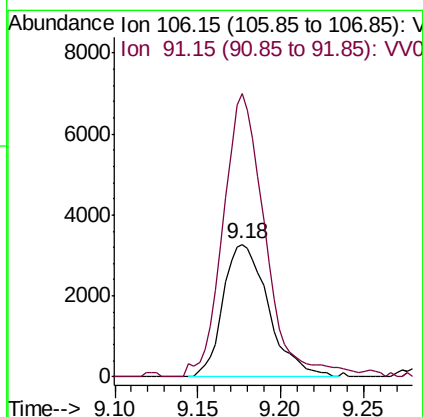
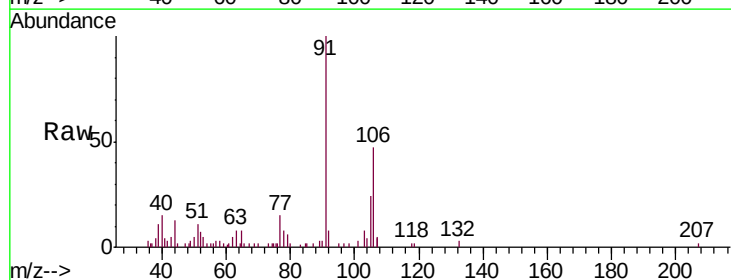
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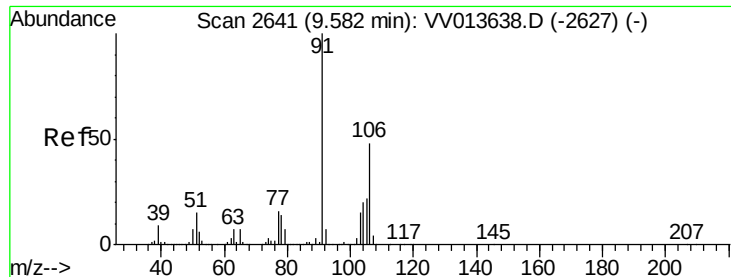
Tgt Ion: 43 Resp: 13247
Ion Ratio Lower Upper
43 100
58 43.1 43.0 64.6
57 0.0 15.4 23.2#
100 7.2 10.1 15.1#



#53
m,p-xylene
Concen: 0.131 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV013643.D
Acq: 15 Nov 2019 17:03

Tgt Ion: 106 Resp: 6220
Ion Ratio Lower Upper
106 100
91 213.8 138.1 256.5





#54

o-xylene

Concen: 0.146 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013643.D

Acq: 15 Nov 2019 17:03

Instrument :

MSVOA_V

ClientSampleId :

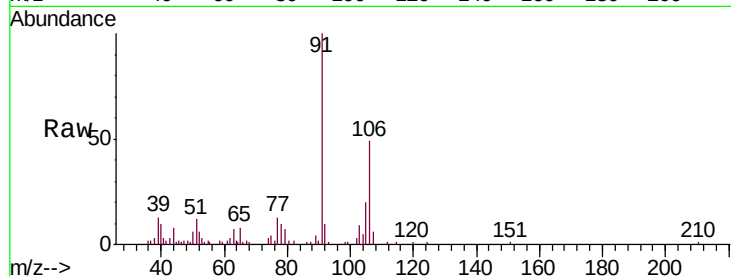
GAQF9

Tgt Ion:106 Resp: 6656

Ion Ratio Lower Upper

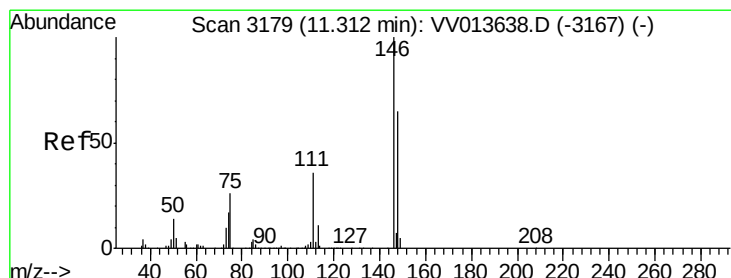
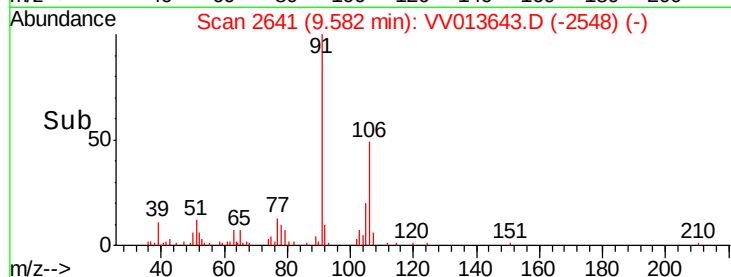
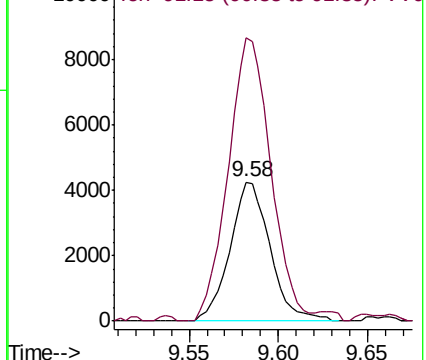
106 100

91 203.2 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#63

1,4-Dichlorobenzene

Concen: 0.435 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013643.D

Acq: 15 Nov 2019 17:03

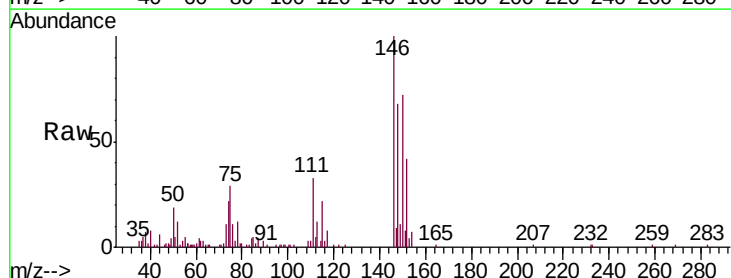
Tgt Ion:146 Resp: 24574

Ion Ratio Lower Upper

146 100

111 33.4 25.6 47.6

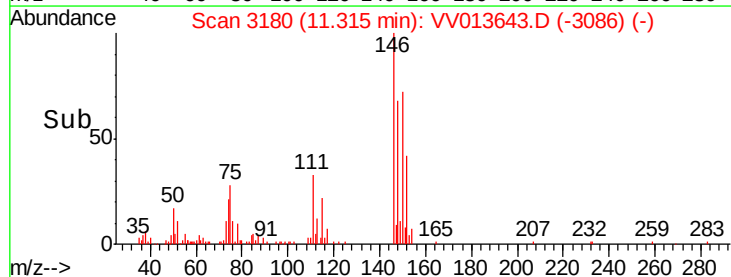
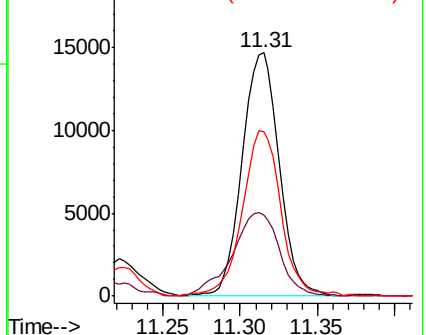
148 67.6 45.6 84.8

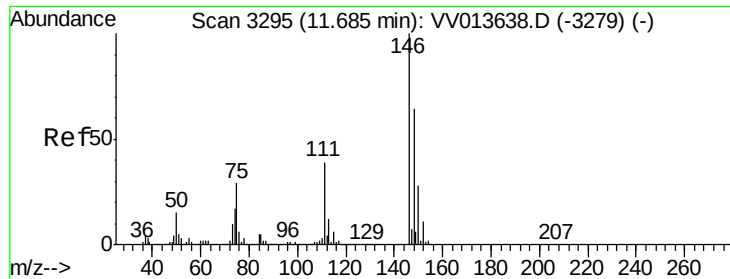


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

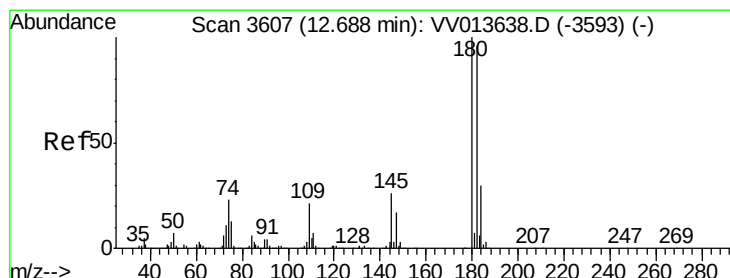
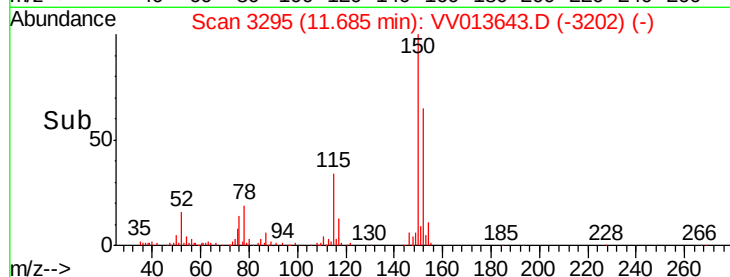
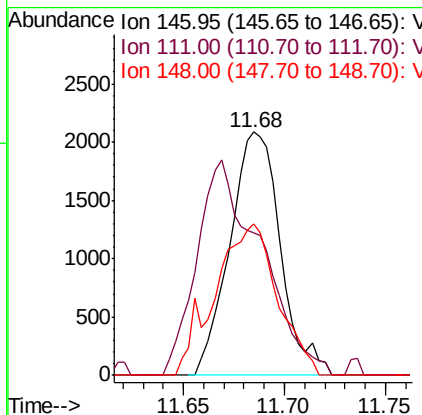
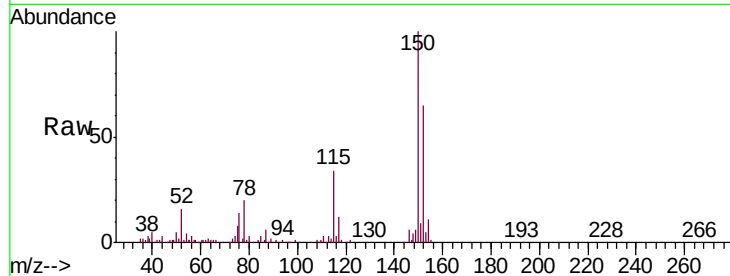




#65
 1,2-Dichlorobenzene
 Concen: 0.071 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013643.D
 Acq: 15 Nov 2019 17:03

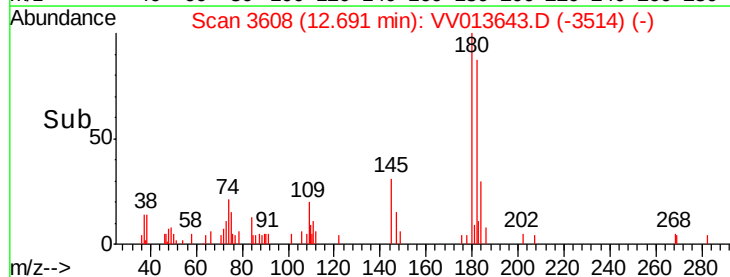
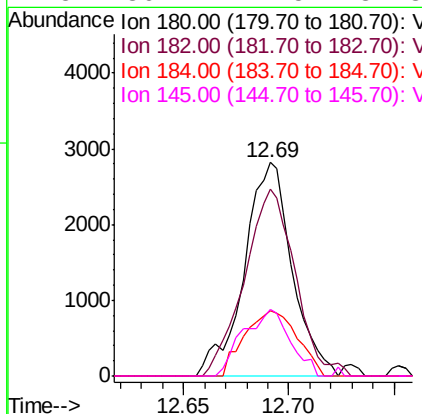
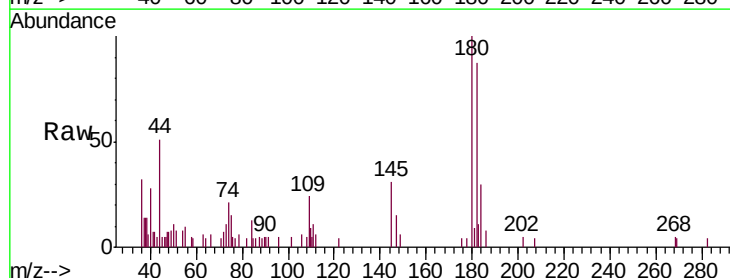
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQF9

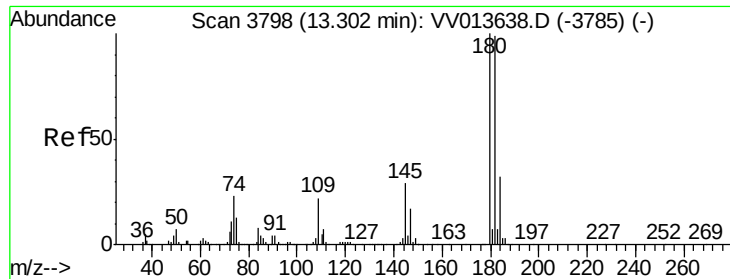
Tgt Ion:146 Resp: 3663
 Ion Ratio Lower Upper
 146 100
 111 58.4 31.3 46.9#
 148 62.3 51.1 76.7



#67
 1,3,5-Trichlorobenzene
 Concen: 0.096 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013643.D
 Acq: 15 Nov 2019 17:03

Tgt Ion:180 Resp: 4447
 Ion Ratio Lower Upper
 180 100
 182 92.6 77.0 115.6
 184 33.6 24.4 36.6
 145 30.7 21.5 32.3

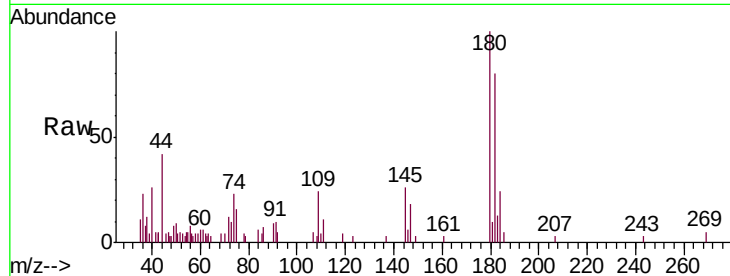




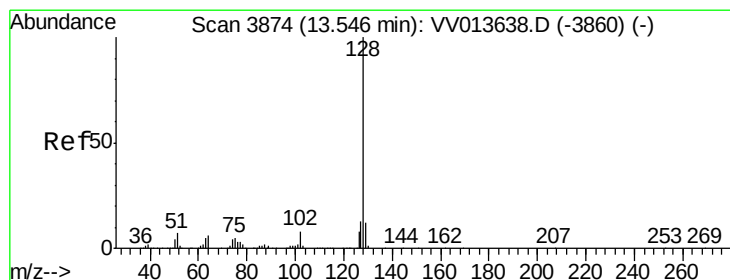
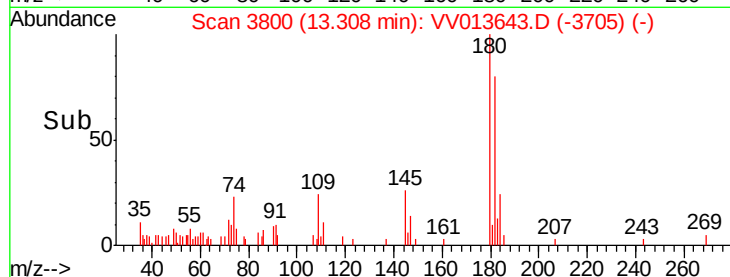
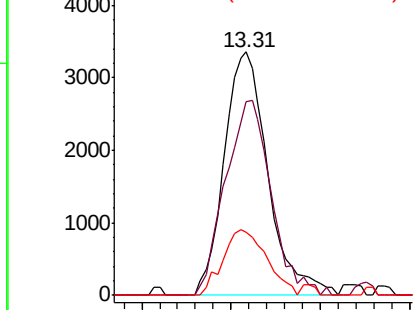
#68
 1,2,4-trichlorobenzene
 Concen: 0.151 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.01 min
 Lab File: VV013643.D
 Acq: 15 Nov 2019 17:03

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQF9

Tgt Ion:180 Resp: 5732
 Ion Ratio Lower Upper
 180 100
 182 83.5 77.2 115.8
 145 26.7 22.6 33.8

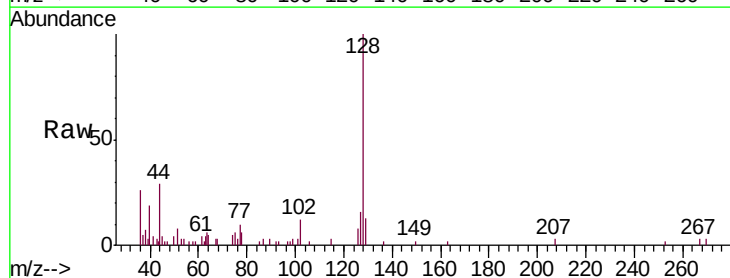


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

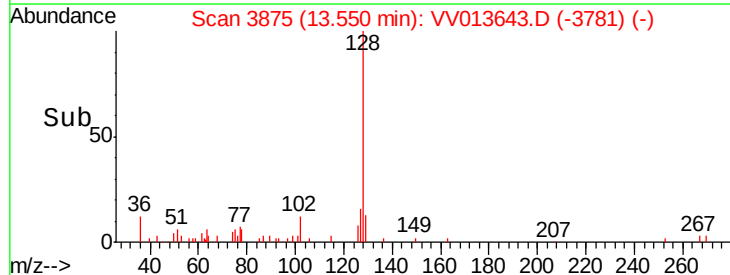
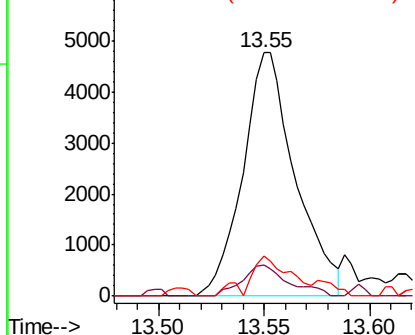


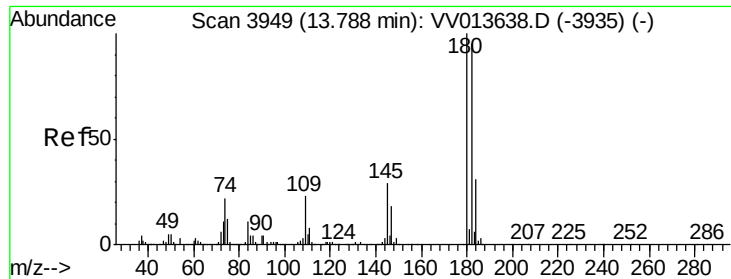
#69
 Naphthalene
 Concen: 0.160 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013643.D
 Acq: 15 Nov 2019 17:03

Tgt Ion:128 Resp: 8263
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.6 13.0
 127 11.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.116 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013643.D
 Acq: 15 Nov 2019 17:03

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQF9

Tgt Ion:180 Resp: 4017
 Ion Ratio Lower Upper
 180 100
 182 106.2 75.6 113.4
 145 37.8 23.4 35.0#

