

Data File : VV013662.D
Acq On : 18 Nov 2019 17:24
Operator : SY/MD
Sample : K5910-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQJ0

Quant Time: Nov 19 04:29:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 19 04:25:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	341173	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	335480	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	153327	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96844	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.58	69	96291	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.13	63	129273	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	3.96	46	303323	62.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.48%
24) Chloroform-d	4.40	84	230245	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.08	65	121449	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.10	84	447864	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.11	67	142153	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.36	98	366400	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	7.66	79	50133	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.14	63	208820	51.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	102281	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	159492	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1829	0.087	ug/L #	44
13) Acetone	2.23	43	154709	50.312	ug/L #	37
14) Carbon disulfide	2.32	76	4494	0.064	ug/L #	87
15) Methyl Acetate	2.23	43	152081	17.462	ug/L #	52
35) Methylcyclohexane	6.11	83	32883	0.793	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	16078	0.661	ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	2311	0.084	ug/L	89
48) 2-Hexanone	8.19	43	18832	1.877	ug/L #	89
51) Chlorobenzene	8.93	112	4515	0.063	ug/L	87
63) 1,4-Dichlorobenzene	11.32	146	5402	0.104	ug/L	92
65) 1,2-Dichlorobenzene	11.69	146	4473	0.093	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	4552	0.107	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	6237	0.178	ug/L	99
69) Naphthalene	13.55	128	12336	0.258	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	6160	0.192	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111819\
Quantitation Report (Not Reviewed)

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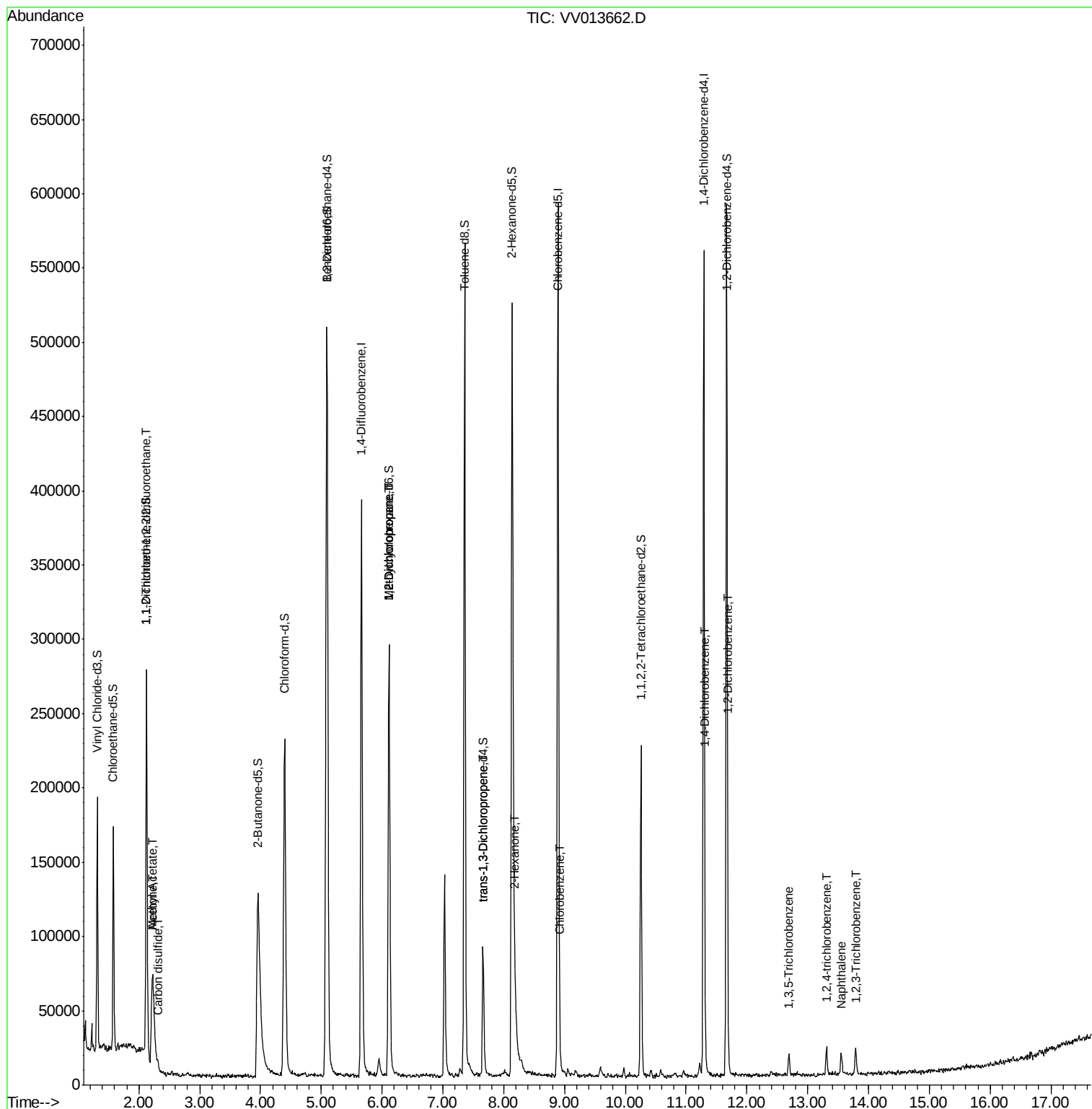
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

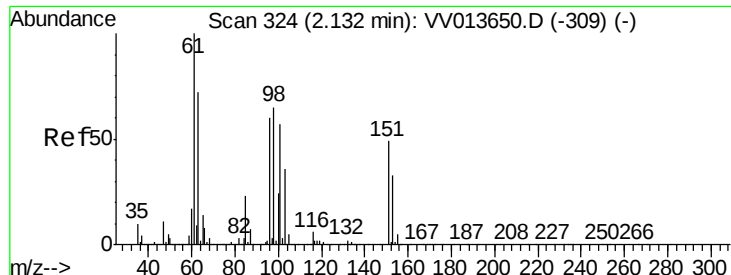
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#10

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

Concen: 0.087 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV013662.D

Acq: 18 Nov 2019 17:24

Instrument :

MSVOA_V

ClientSampled :

GAQJ0

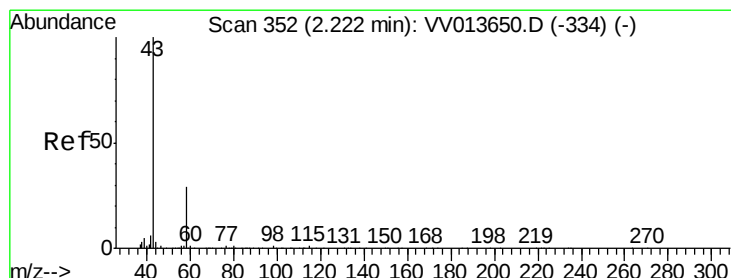
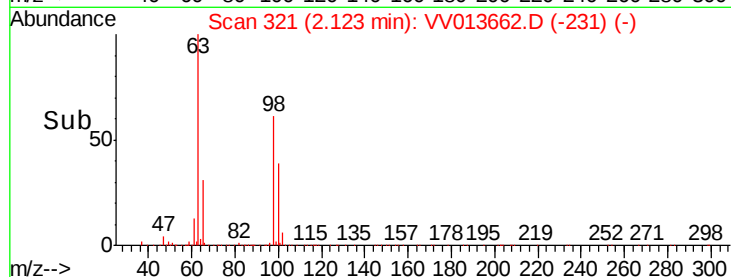
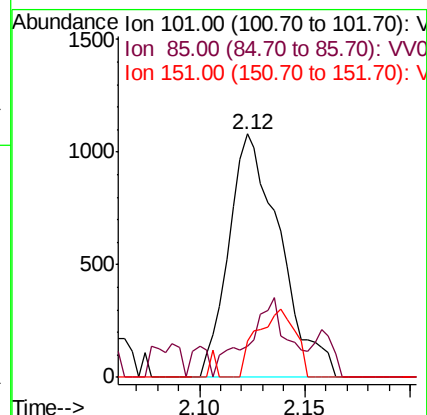
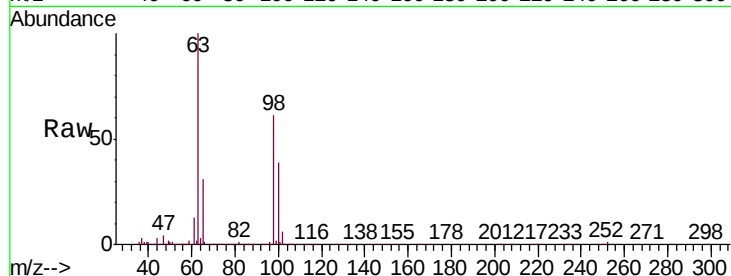
Tgt Ion:101 Resp: 1829

Ion Ratio Lower Upper

101 100

85 25.9 32.0 48.0#

151 21.2 69.0 103.6#



#13

Acetone

Concen: 50.312 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.01 min

Lab File: VV013662.D

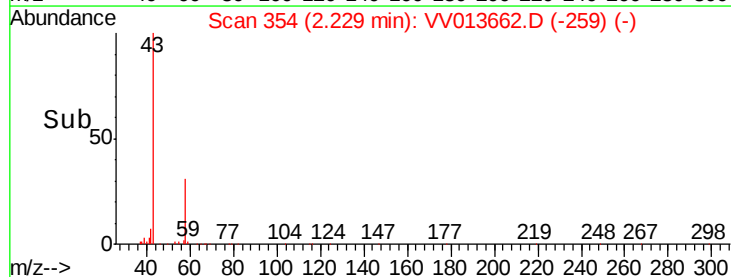
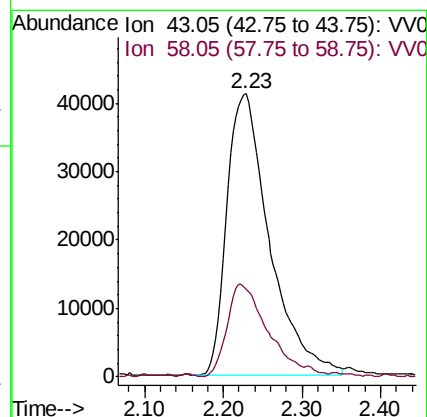
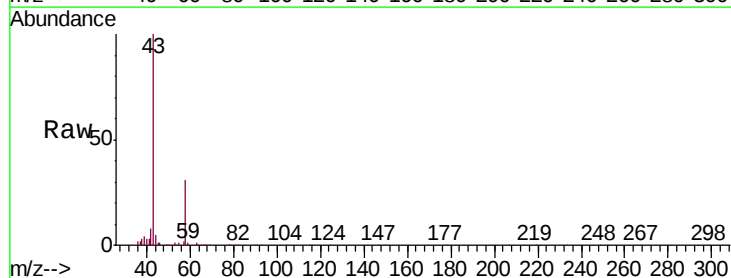
Acq: 18 Nov 2019 17:24

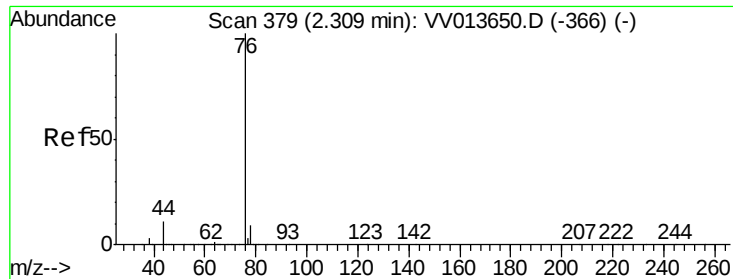
Tgt Ion: 43 Resp: 154709

Ion Ratio Lower Upper

43 100

58 31.0 0.0 17.0#





#14

Carbon disulfide

Concen: 0.064 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013662.D

Acq: 18 Nov 2019 17:24

Instrument :

MSVOA_V

ClientSampleId :

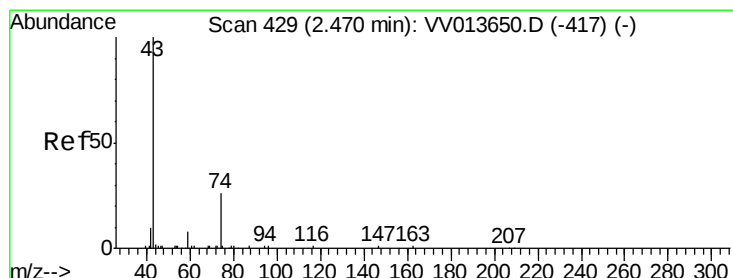
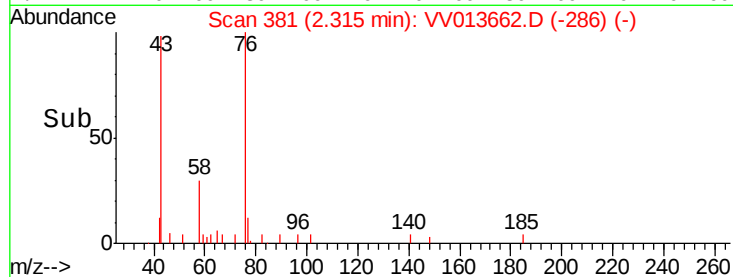
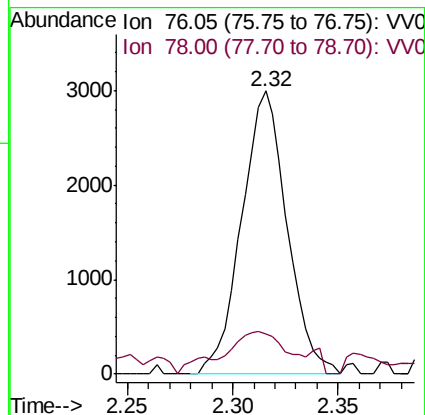
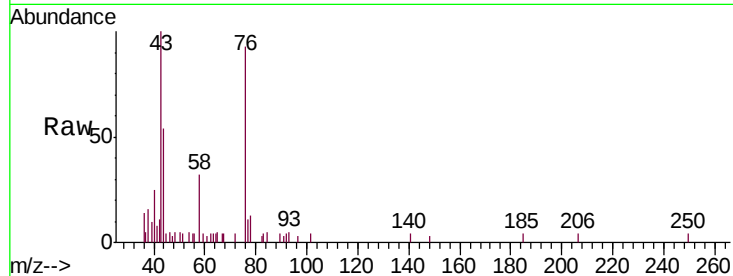
GAQJ0

Tgt Ion: 76 Resp: 4494

Ion Ratio Lower Upper

76 100

78 14.2 7.4 11.2#



#15

Methyl Acetate

Concen: 17.462 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.24 min

Lab File: VV013662.D

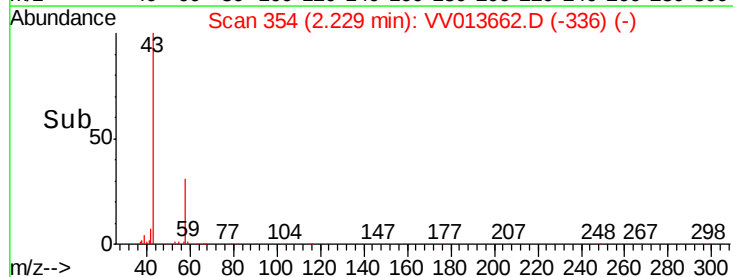
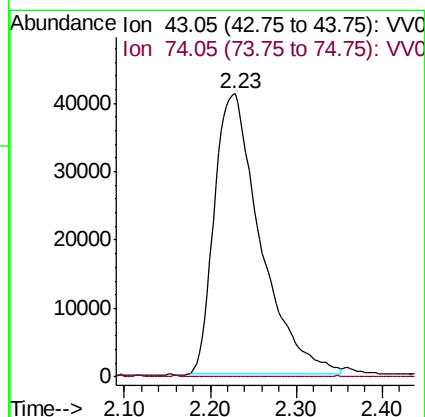
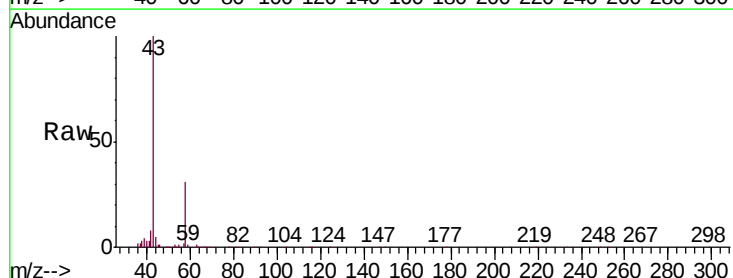
Acq: 18 Nov 2019 17:24

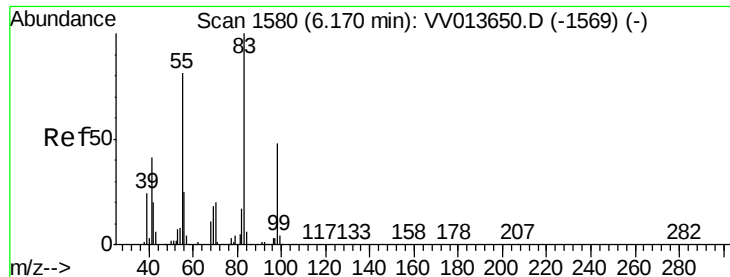
Tgt Ion: 43 Resp: 152081

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#





#35

Methylcyclohexane

Concen: 0.793 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013662.D

Acq: 18 Nov 2019 17:24

Instrument :

MSVOA_V

ClientSampleId :

GAQJ0

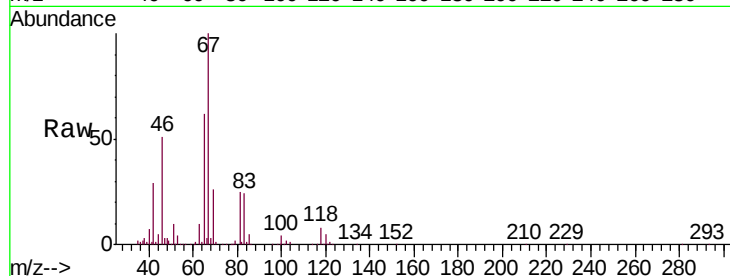
Tgt Ion: 83 Resp: 32883

Ion Ratio Lower Upper

83 100

55 0.5 64.1 96.1#

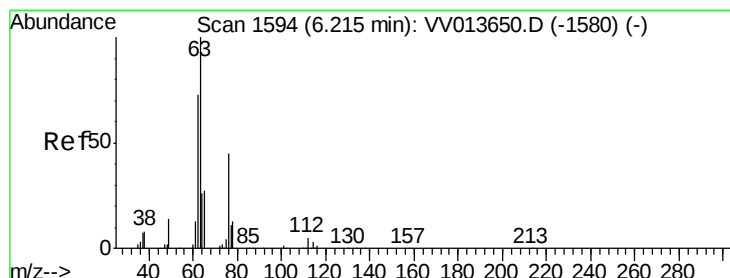
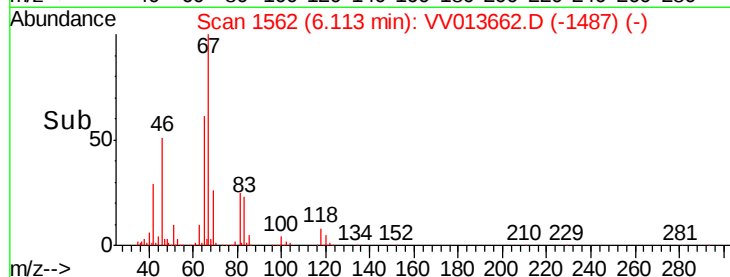
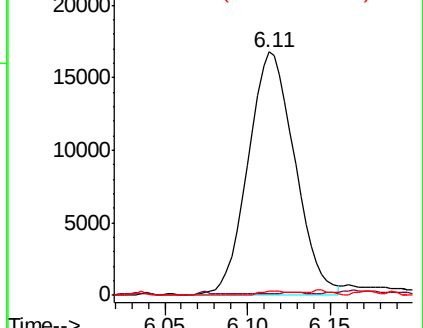
98 1.3 38.2 57.2#



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: 0.661 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013662.D

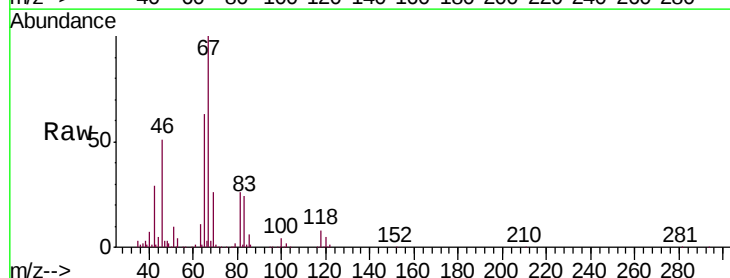
Acq: 18 Nov 2019 17:24

Tgt Ion: 63 Resp: 16078

Ion Ratio Lower Upper

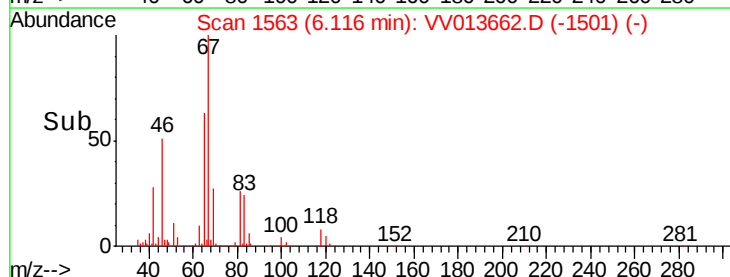
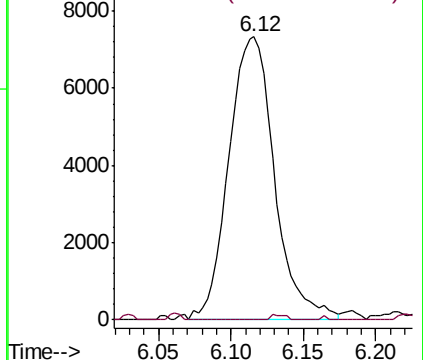
63 100

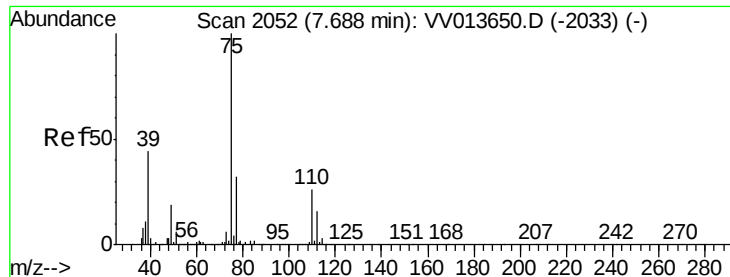
112 0.6 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013662.D

Acq: 18 Nov 2019 17:24

Instrument :

MSVOA_V

ClientSampleId :

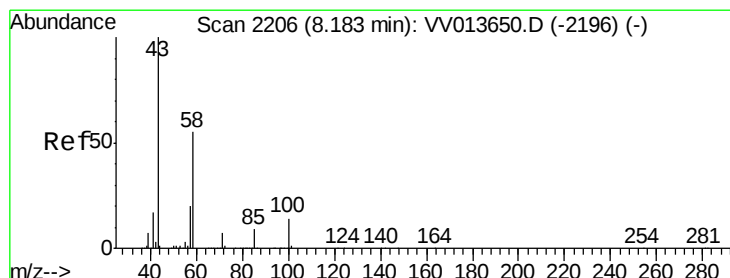
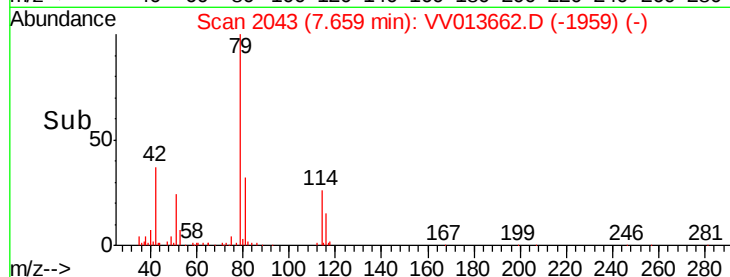
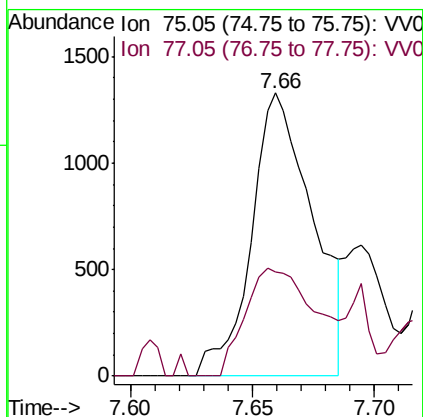
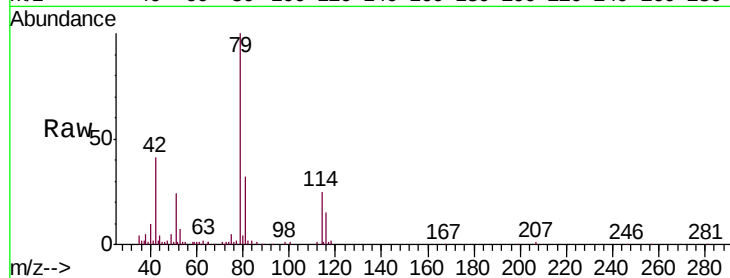
GAQJ0

Tgt Ion: 75 Resp: 2311

Ion Ratio Lower Upper

75 100

77 37.0 21.6 40.2



#48

2-Hexanone

Concen: 1.877 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV013662.D

Acq: 18 Nov 2019 17:24

Tgt Ion: 43 Resp: 18832

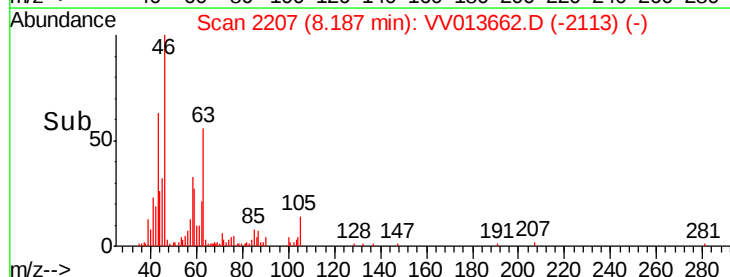
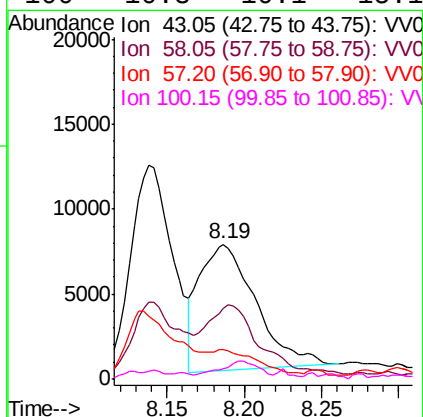
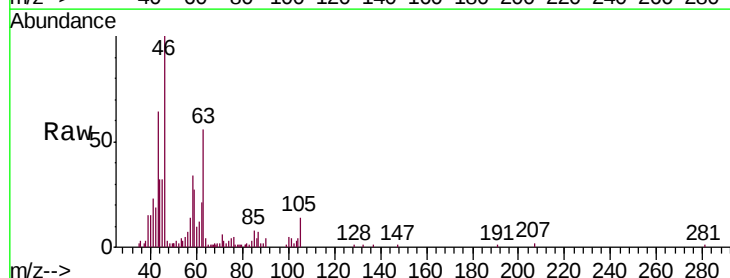
Ion Ratio Lower Upper

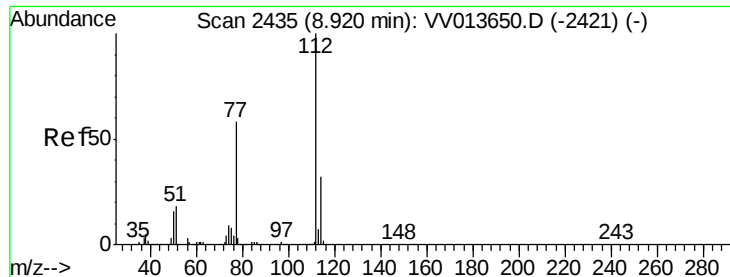
43 100

58 54.3 43.0 64.6

57 0.0 15.4 23.2#

100 10.3 10.1 15.1





#51

Chlorobenzene

Concen: 0.063 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.01 min

Lab File: VV013662.D

Acq: 18 Nov 2019 17:24

Instrument :

MSVOA_V

ClientSampleId :

GAQJ0

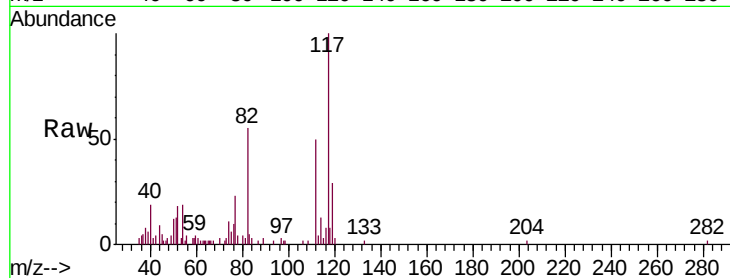
Tgt Ion:112 Resp: 4515

Ion Ratio Lower Upper

112 100

114 26.0 22.8 42.4

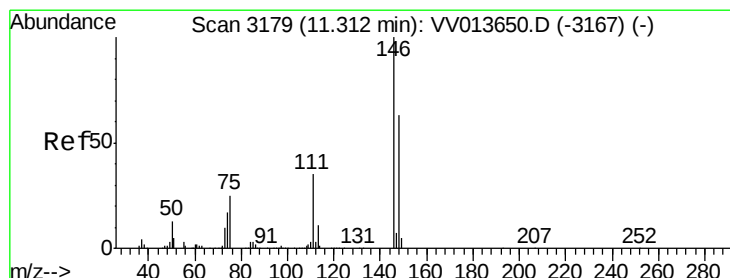
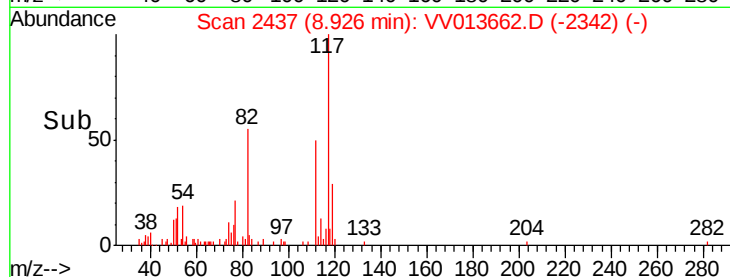
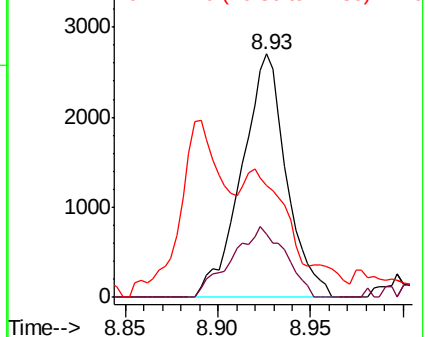
77 45.9 45.0 67.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#63

1,4-Dichlorobenzene

Concen: 0.104 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013662.D

Acq: 18 Nov 2019 17:24

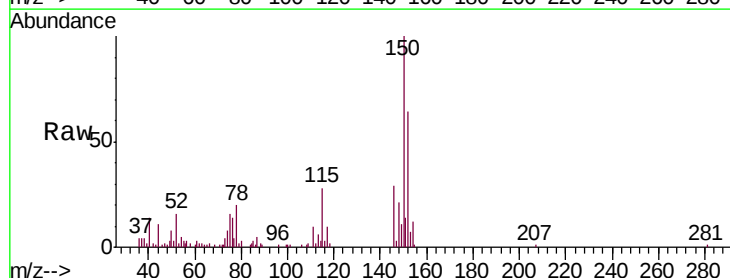
Tgt Ion:146 Resp: 5402

Ion Ratio Lower Upper

146 100

111 33.2 25.6 47.6

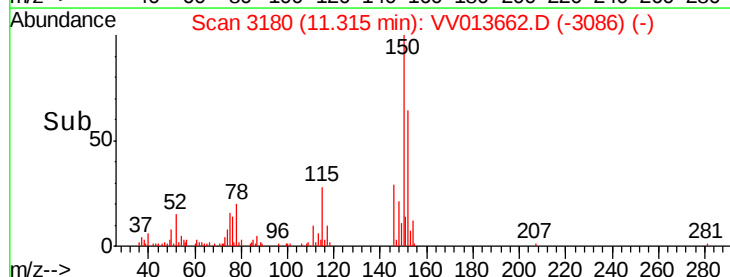
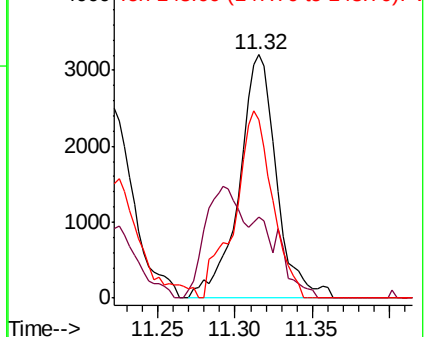
148 73.0 45.6 84.8

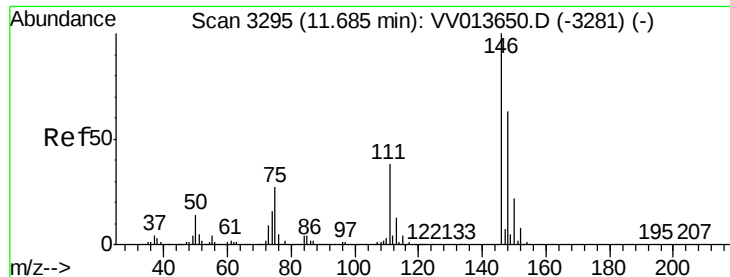


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.093 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.01 min

Lab File: VV013662.D

Acq: 18 Nov 2019 17:24

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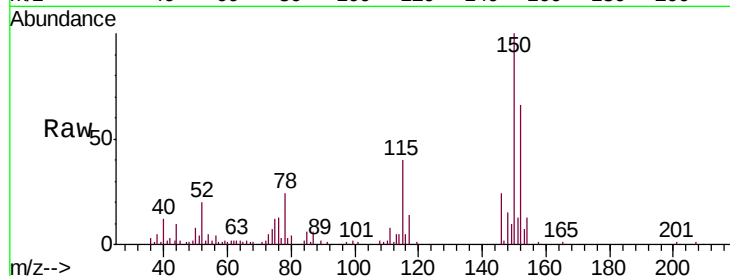
Tgt Ion:146 Resp: 4473

Ion Ratio Lower Upper

146 100

111 32.7 31.3 46.9

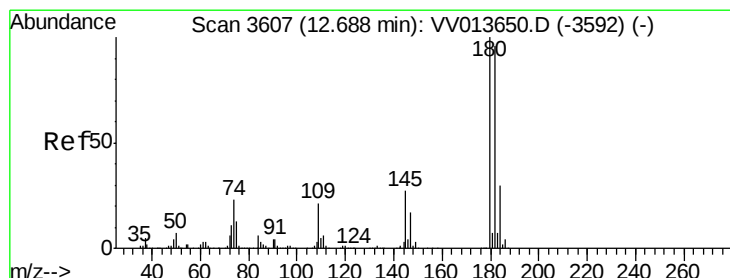
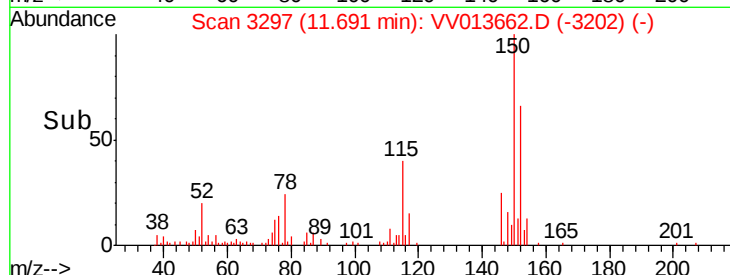
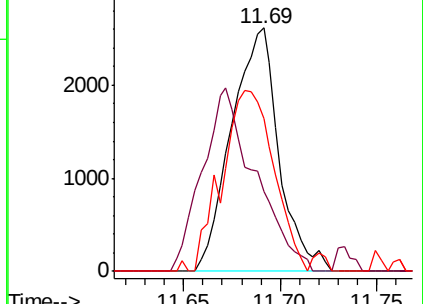
148 62.5 51.1 76.7



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



#67

1,3,5-Trichlorobenzene

Concen: 0.107 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV013662.D

Acq: 18 Nov 2019 17:24

Tgt Ion:180 Resp: 4552

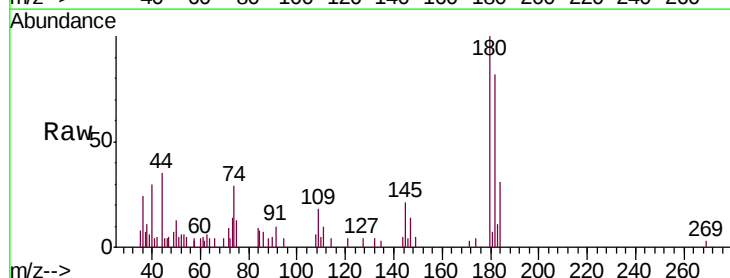
Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

184 34.4 24.4 36.6

145 28.0 21.5 32.3

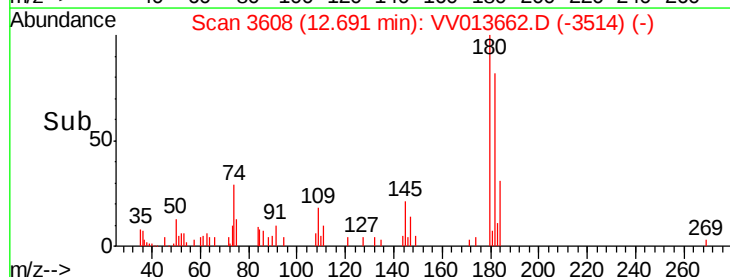
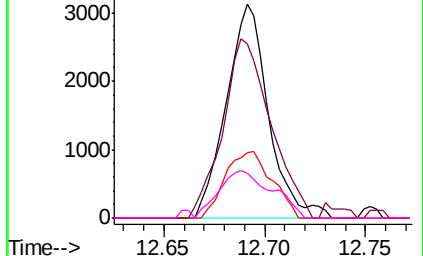


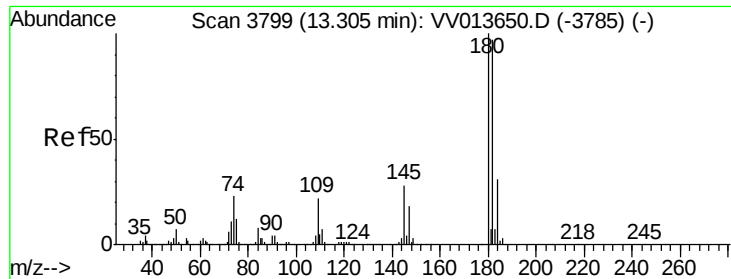
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

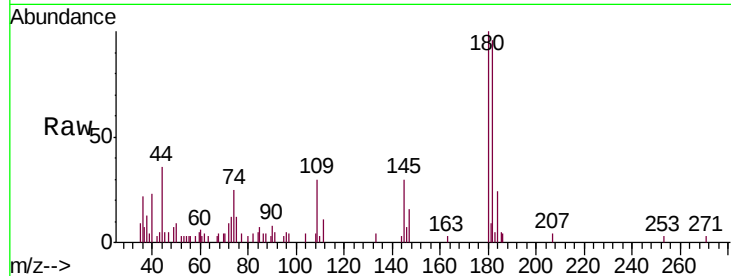




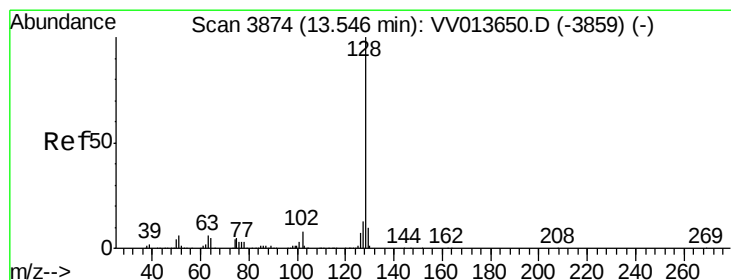
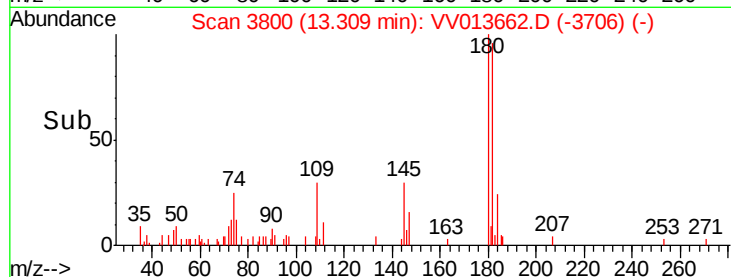
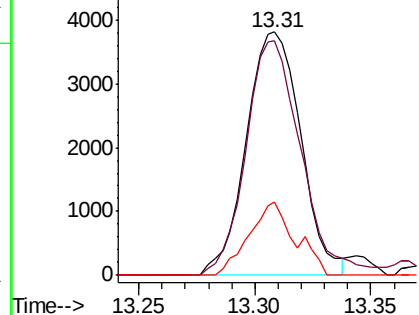
#68
 1,2,4-trichlorobenzene
 Concen: 0.178 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013662.D
 Acq: 18 Nov 2019 17:24

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQJ0

Tgt Ion:180 Resp: 6237
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.2 115.8
 145 25.6 22.6 33.8

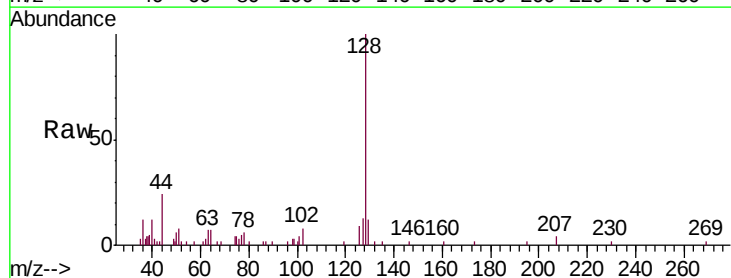


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

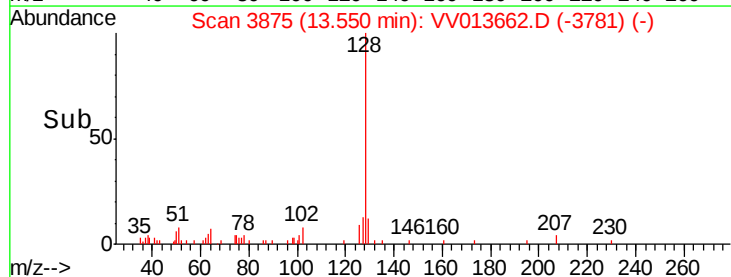
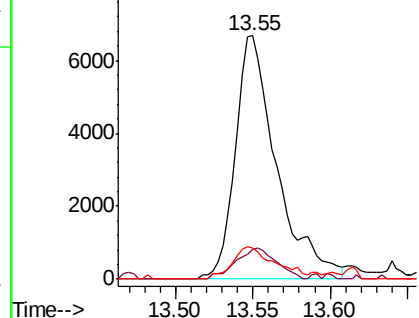


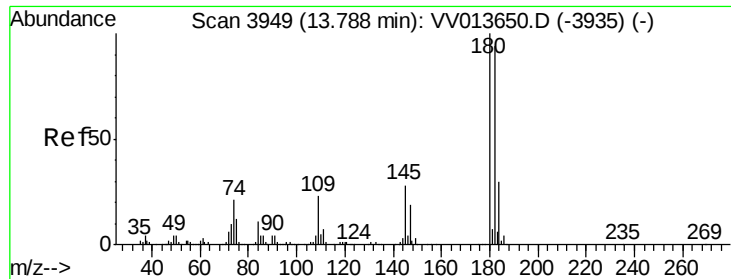
#69
 Naphthalene
 Concen: 0.258 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013662.D
 Acq: 18 Nov 2019 17:24

Tgt Ion:128 Resp: 12336
 Ion Ratio Lower Upper
 128 100
 129 12.5 8.6 13.0
 127 13.7 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

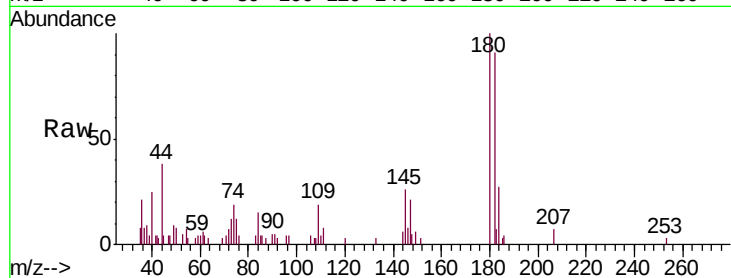




#70
 1,2,3-Trichlorobenzene
 Concen: 0.192 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013662.D
 Acq: 18 Nov 2019 17:24

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQJ0

Tgt Ion:	180	Resp:	6160
Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.6	113.4
145	26.3	23.4	35.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

