

Data File : VV013536.D
Acq On : 08 Nov 2019 11:57
Operator : SY/MD
Sample : VIBLK42
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VIBLK42

Quant Time: Nov 08 22:23:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 08 22:19:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	433642	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	421203	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	193510	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91891	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.58	69	83205	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.13	63	115310	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	3.96	46	338201	51.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.24%
24) Chloroform-d	4.40	84	229617	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.08	65	127727	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.10	84	439702	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.12	67	151598	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.36	98	345876	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.66	79	53427	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.14	63	197349	44.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	111803	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	177927	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2526	0.092	ug/L #	23
14) Carbon disulfide	2.32	76	10847	0.138	ug/L #	81
16) Methylene chloride	2.53	84	5473	0.160	ug/L	95
25) Chloroform	4.42	83	21525	0.327	ug/L	95
37) 1,2-Dichloropropane	6.12	63	15426	0.479	ug/L #	87
44) trans-1,3-Dichloropropene	7.67	75	2883	0.082	ug/L	89
48) 2-Hexanone	8.18	43	47747	3.642	ug/L	96
51) Chlorobenzene	8.93	112	6518	0.073	ug/L	94
55) Styrene	9.60	104	6133	0.069	ug/L	95
56) Isopropylbenzene	9.97	105	9225	0.065	ug/L	93
62) 1,3-Dichlorobenzene	11.22	146	11007	0.170	ug/L	96
63) 1,4-Dichlorobenzene	11.31	146	13642	0.210	ug/L	90
65) 1,2-Dichlorobenzene	11.68	146	12607	0.212	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	14025	0.277	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	18526	0.459	ug/L	98
69) Naphthalene	13.55	128	37839	0.694	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	18256	0.482	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110819\
Quantitation Report (Not Reviewed)

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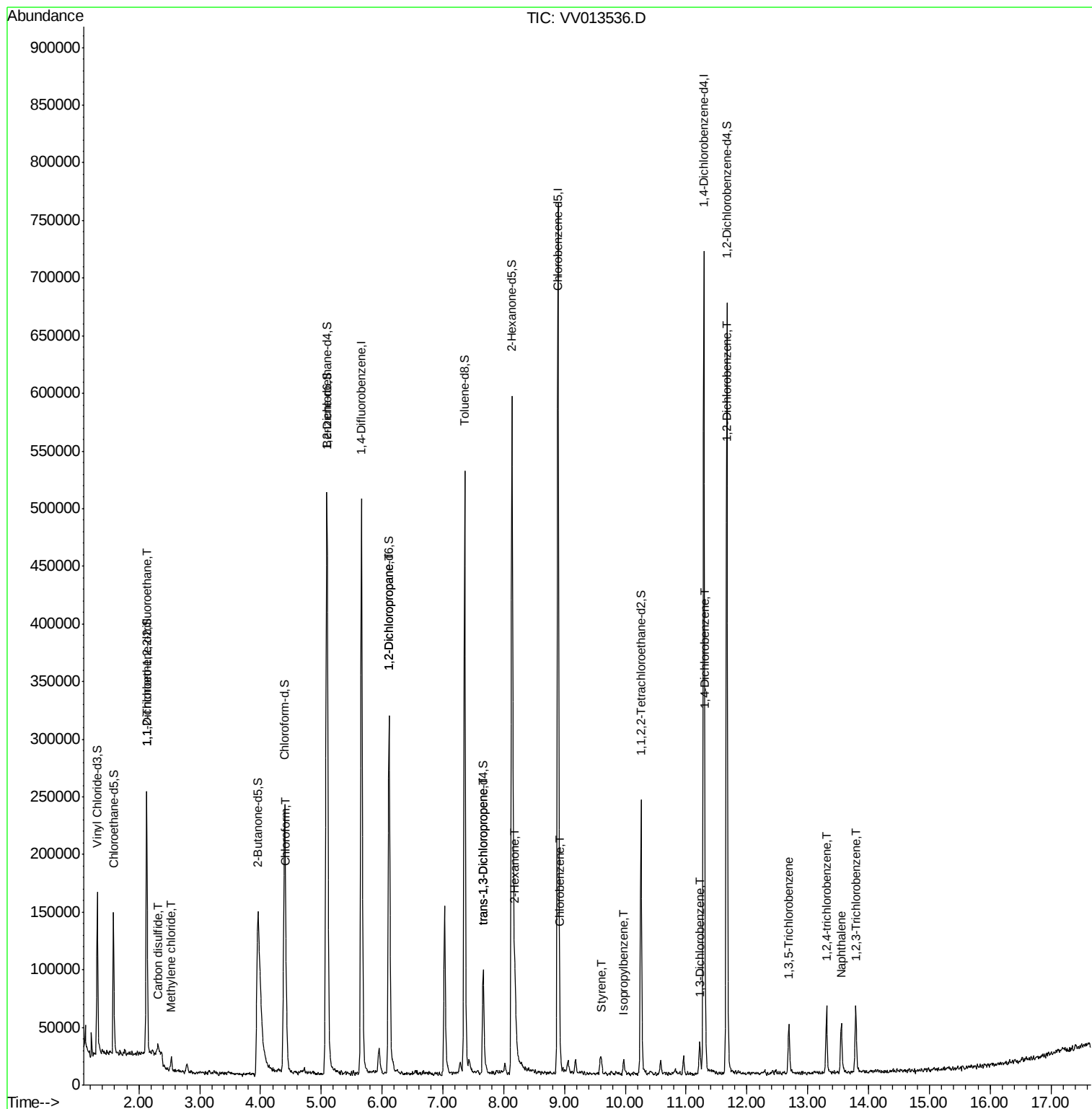
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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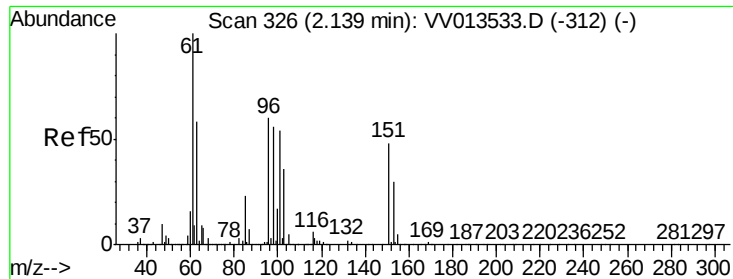
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.092 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013536.D

Acq: 08 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VIBLK42

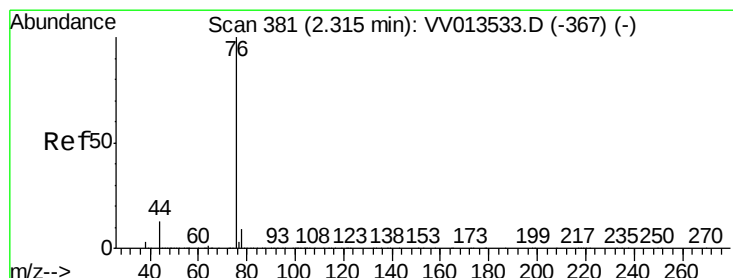
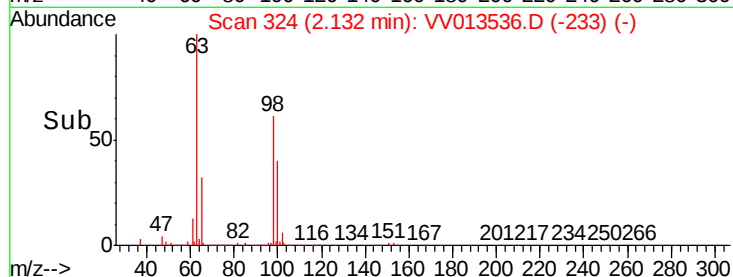
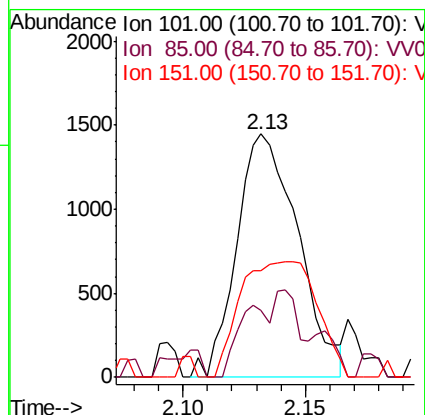
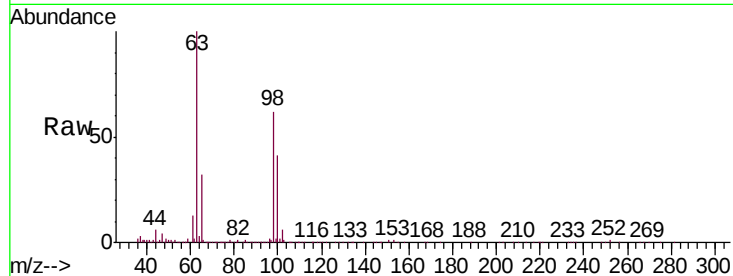
Tgt Ion:101 Resp: 2526

Ion Ratio Lower Upper

101 100

85 15.2 33.8 50.8#

151 0.0 69.5 104.3#



#14

Carbon disulfide

Concen: 0.138 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV013536.D

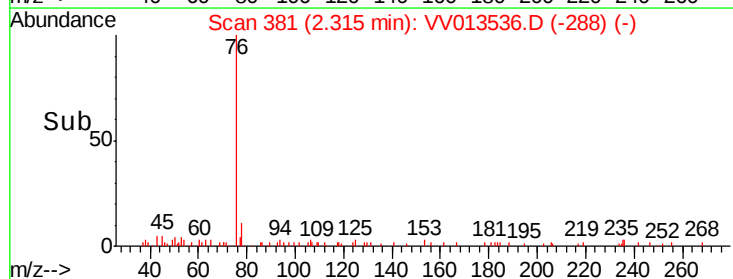
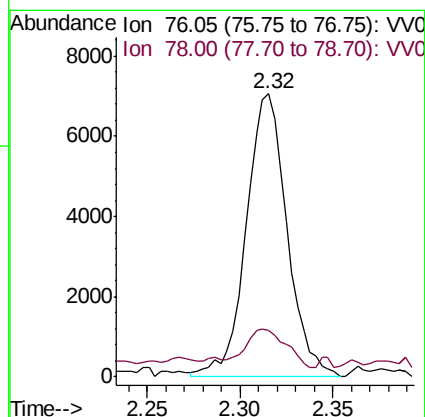
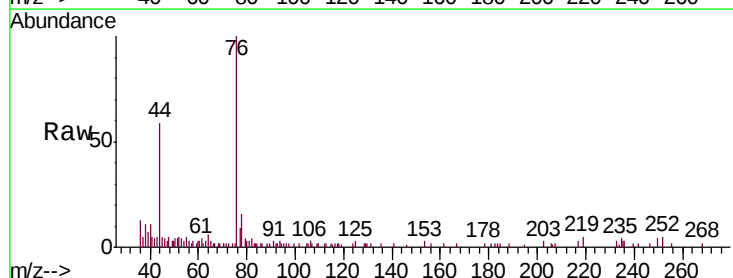
Acq: 08 Nov 2019 11:57

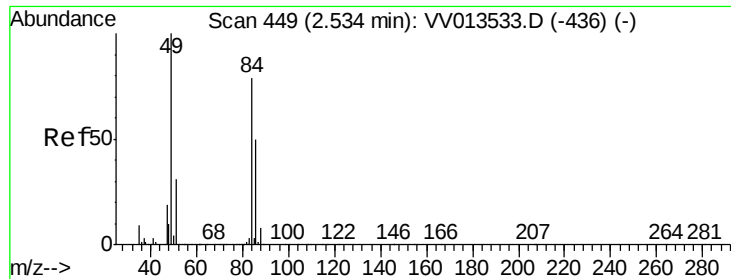
Tgt Ion: 76 Resp: 10847

Ion Ratio Lower Upper

76 100

78 16.5 7.5 11.3#

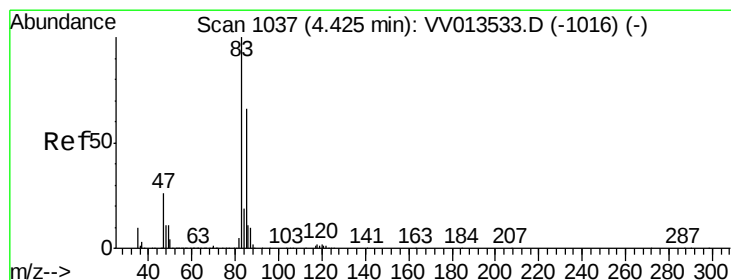
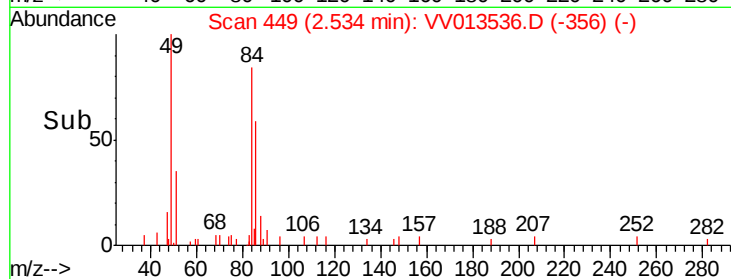
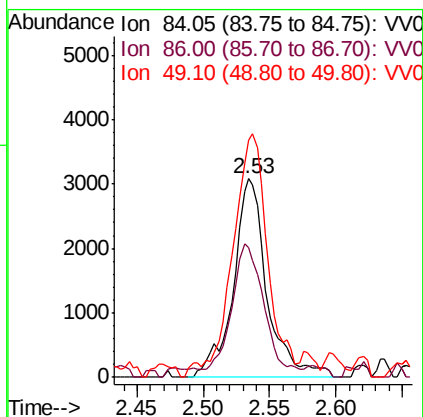
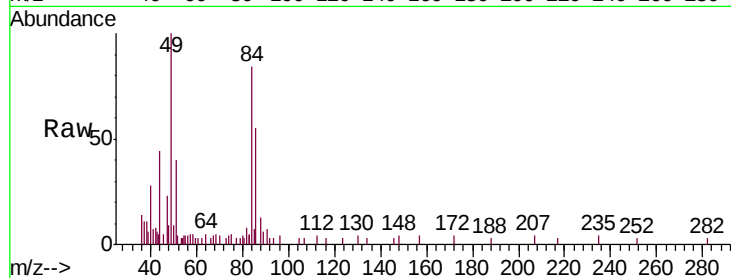




#16
Methylene chloride
Concen: 0.160 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013536.D
Acq: 08 Nov 2019 11:57

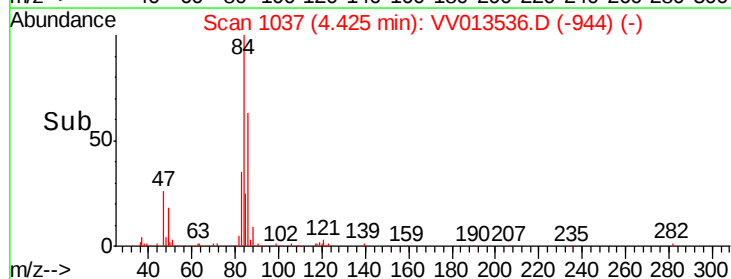
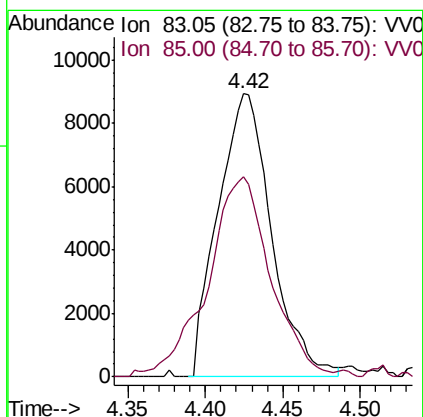
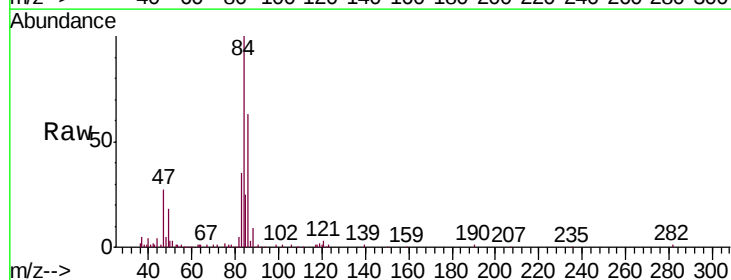
Instrument :
MSVOA_V
ClientSampleId :
VIBLK42

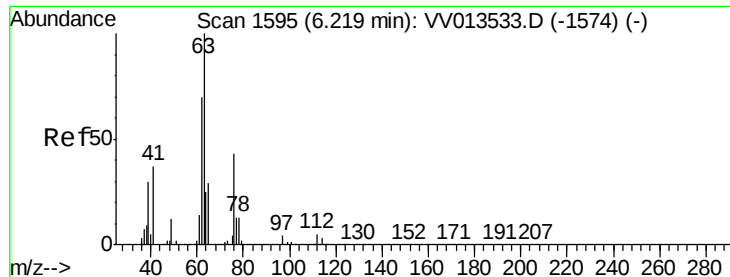
Tgt Ion: 84 Resp: 5473
Ion Ratio Lower Upper
84 100
86 65.6 44.2 82.2
49 119.6 88.8 164.8



#25
Chloroform
Concen: 0.327 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013536.D
Acq: 08 Nov 2019 11:57

Tgt Ion: 83 Resp: 21525
Ion Ratio Lower Upper
83 100
85 70.5 46.3 86.1





#37

1,2-Dichloropropane

Concen: 0.479 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV013536.D

Acq: 08 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

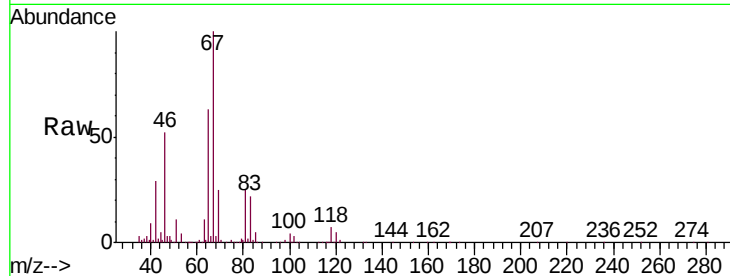
VIBLK42

Tgt Ion: 63 Resp: 15426

Ion Ratio Lower Upper

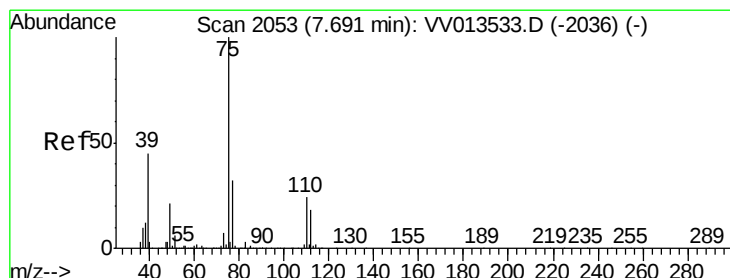
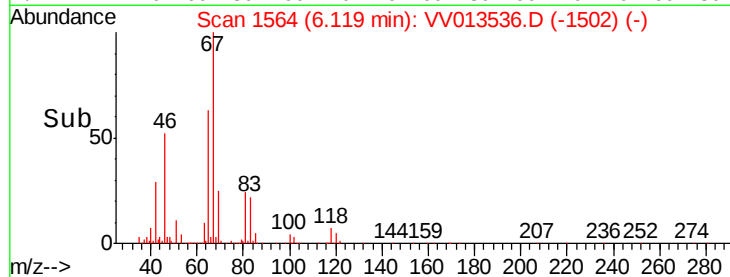
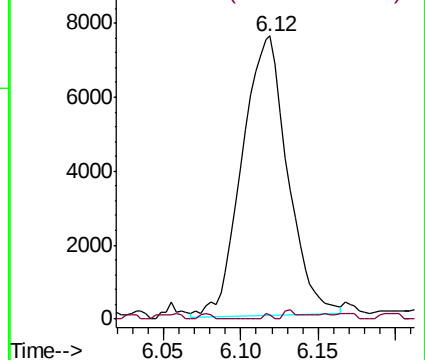
63 100

112 0.3 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV013536.D

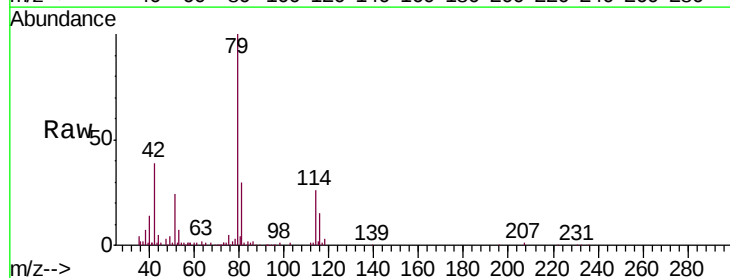
Acq: 08 Nov 2019 11:57

Tgt Ion: 75 Resp: 2883

Ion Ratio Lower Upper

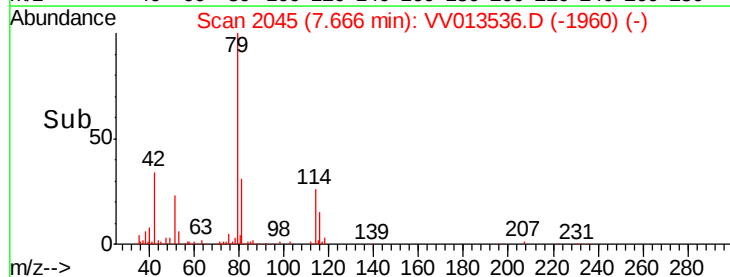
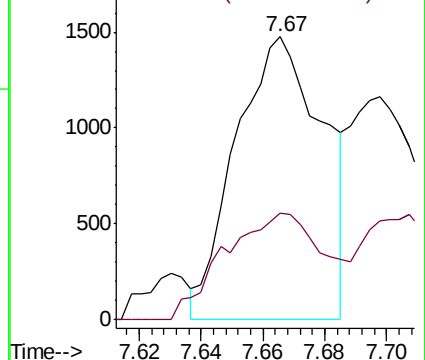
75 100

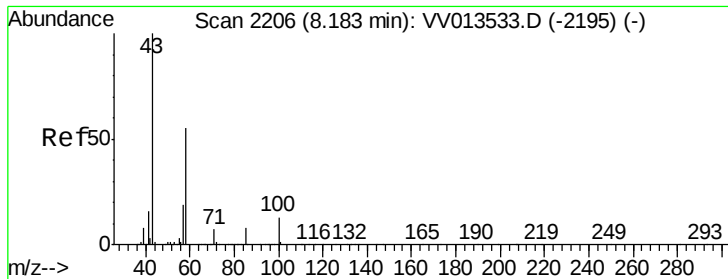
77 37.8 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

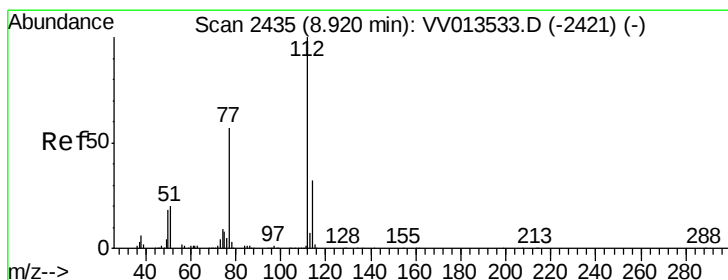
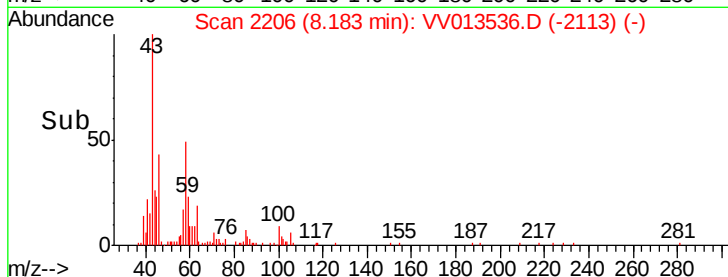
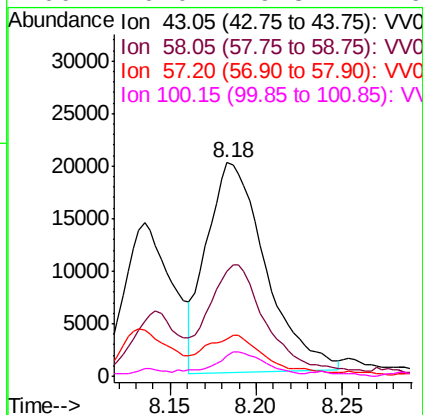
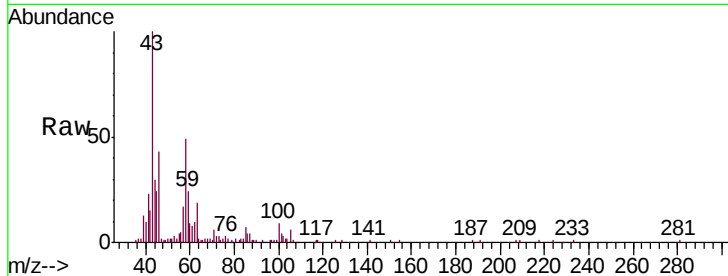




#48
2-Hexanone
Concen: 3.642 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013536.D
Acq: 08 Nov 2019 11:57

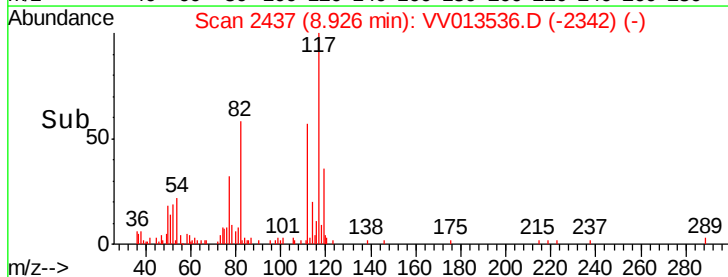
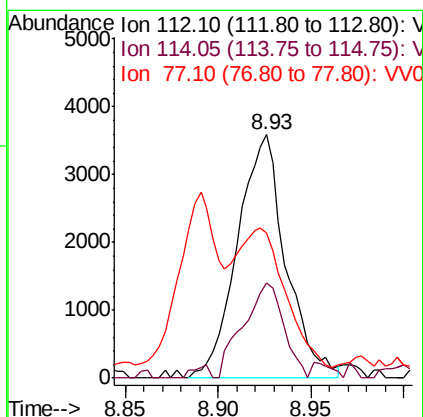
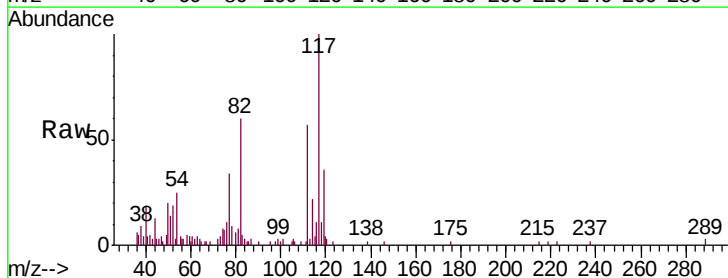
Instrument :
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ClientSampleId :
VIBLK42

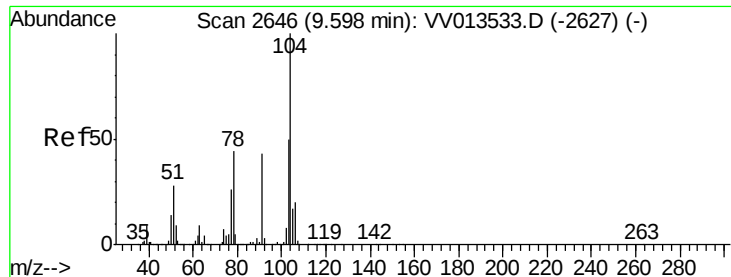
Tgt Ion:	43	Resp:	47747
Ion	Ratio	Lower	Upper
43	100		
58	51.8	43.8	65.8
57	18.3	15.0	22.6
100	10.0	9.8	14.6



#51
Chlorobenzene
Concen: 0.073 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.01 min
Lab File: VV013536.D
Acq: 08 Nov 2019 11:57

Tgt Ion:	112	Resp:	6518
Ion	Ratio	Lower	Upper
112	100		
114	38.8	22.6	42.0
77	59.6	46.2	69.2





#55

Styrene

Concen: 0.069 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.01 min

Lab File: VV013536.D

Acq: 08 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

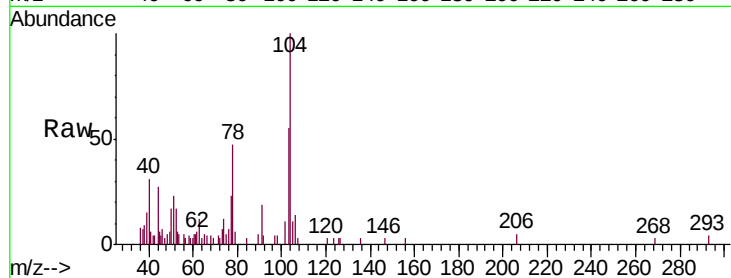
VIBLK42

Tgt Ion:104 Resp: 6133

Ion Ratio Lower Upper

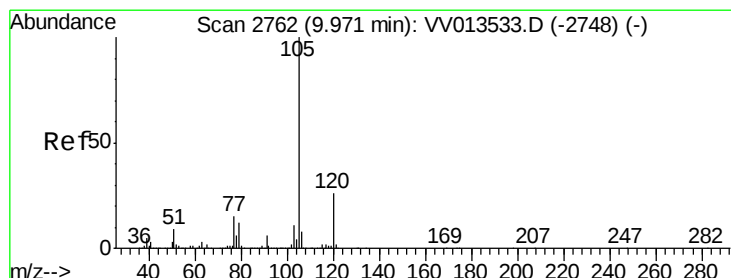
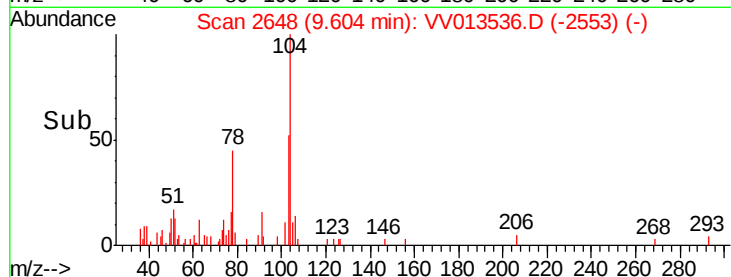
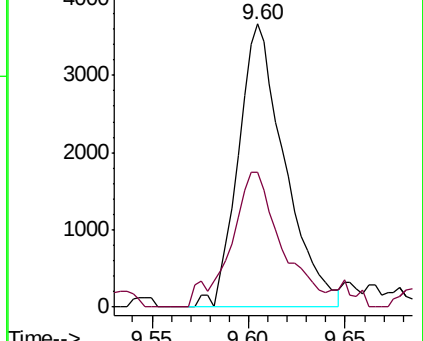
104 100

78 47.5 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#56

Isopropylbenzene

Concen: 0.065 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV013536.D

Acq: 08 Nov 2019 11:57

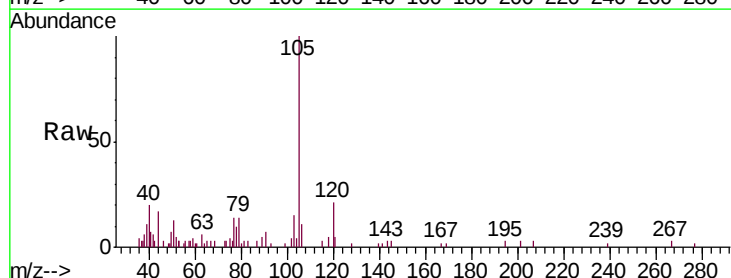
Tgt Ion:105 Resp: 9225

Ion Ratio Lower Upper

105 100

120 21.3 20.9 31.3

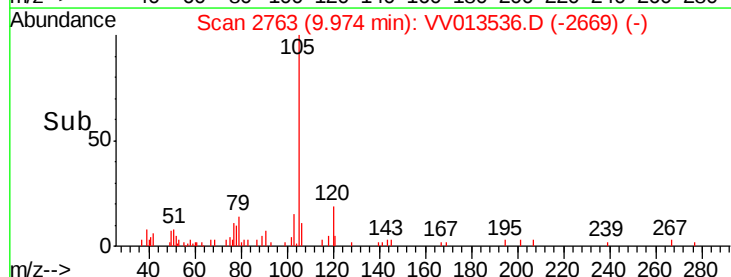
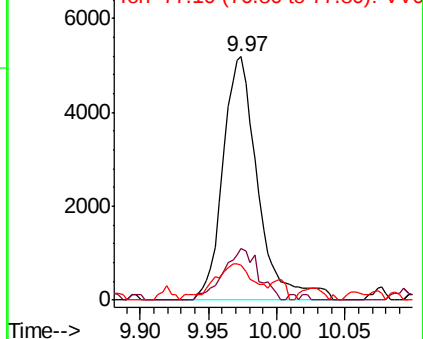
77 14.4 12.3 18.5

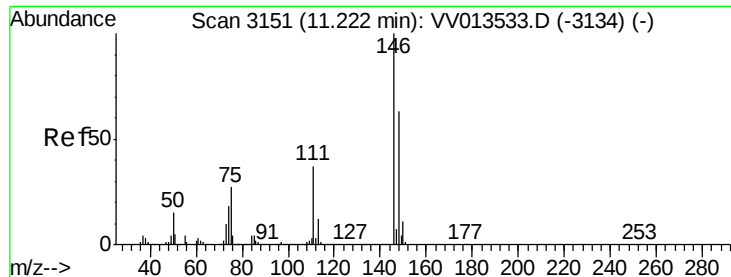


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

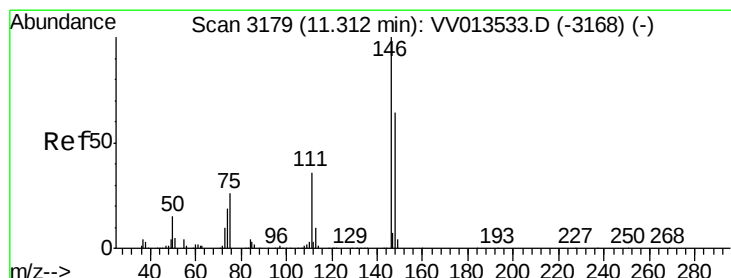
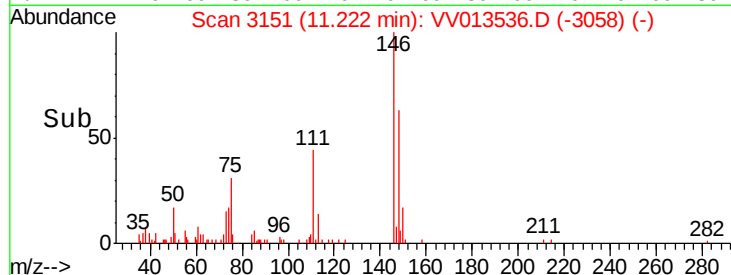
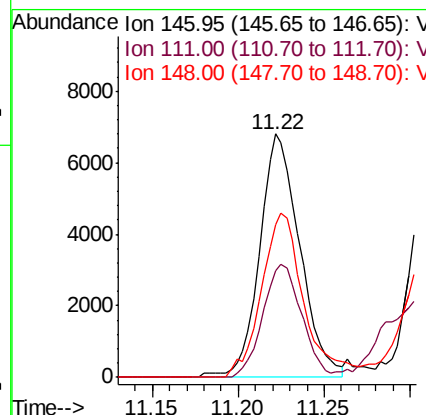
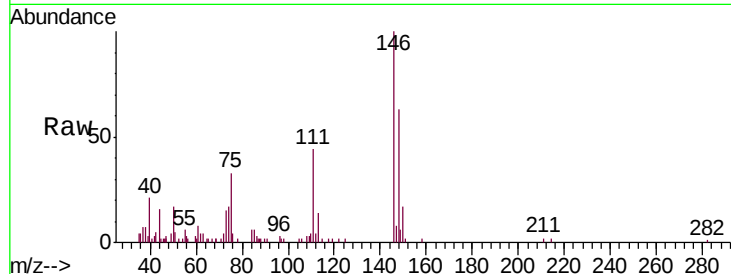




#62
 1,3-Dichlorobenzene
 Concen: 0.170 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013536.D
 Acq: 08 Nov 2019 11:57

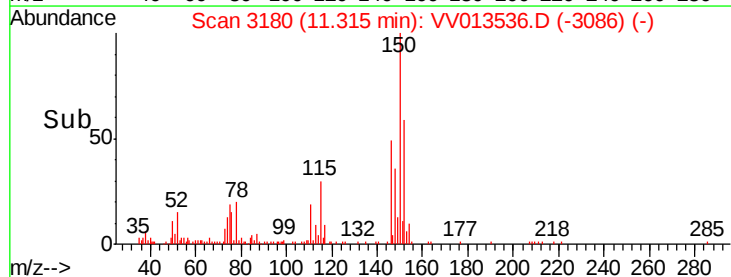
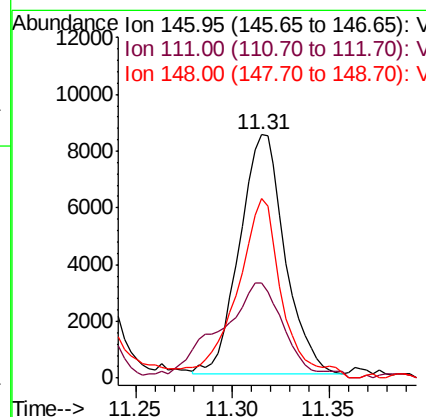
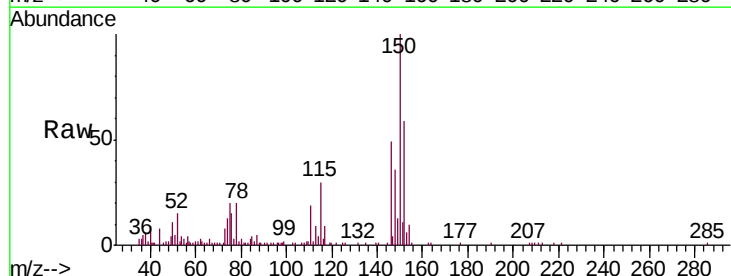
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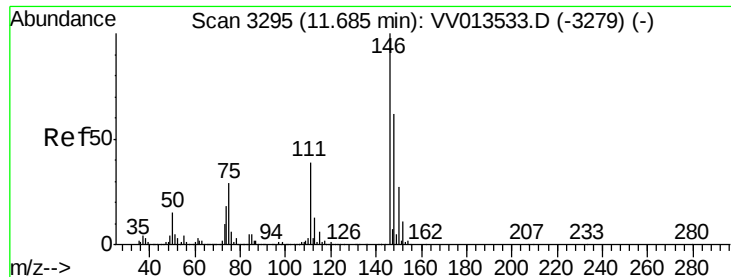
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	26.2	48.6
148	62.9	44.2	82.0



#63
 1,4-Dichlorobenzene
 Concen: 0.210 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013536.D
 Acq: 08 Nov 2019 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	25.2	46.8
148	73.5	44.7	82.9





#65

1,2-Dichlorobenzene

Concen: 0.212 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013536.D

Acq: 08 Nov 2019 11:57

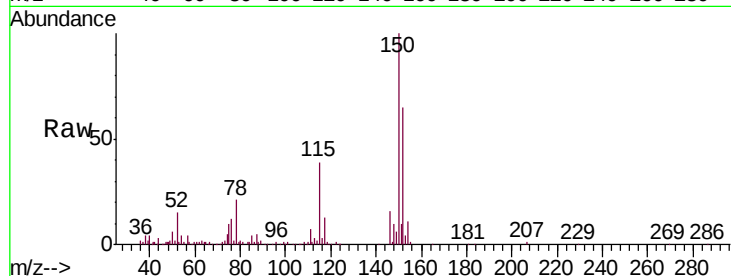
Instrument :

MSVOA_V

ClientSampleId :

VIBLK42

Tgt Ion:	146	Resp:	12607
Ion	Ratio	Lower	Upper
146	100		
111	40.7	31.2	46.8
148	64.3	49.4	74.2

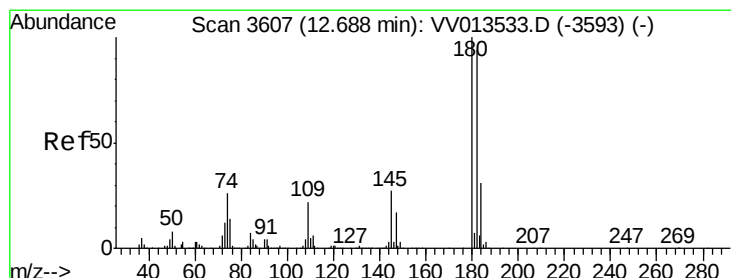
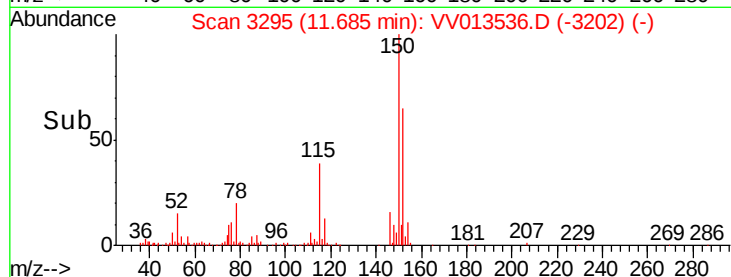
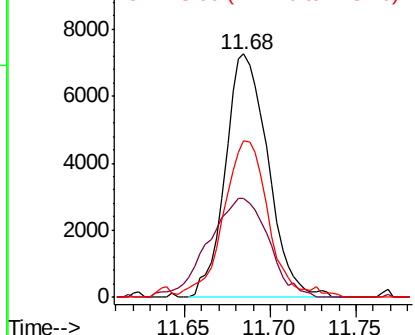


Abundance

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: 0.277 ug/L

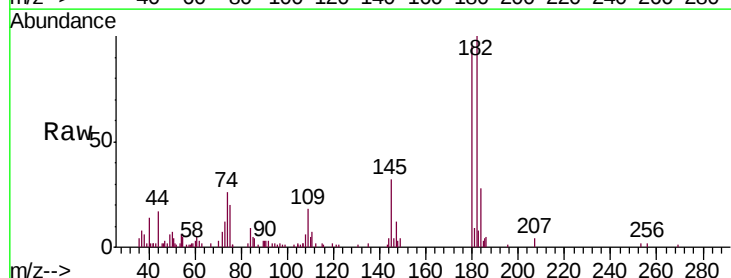
RT: 12.69 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VV013536.D

Acq: 08 Nov 2019 11:57

Tgt Ion:	180	Resp:	14025
Ion	Ratio	Lower	Upper
180	100		
182	98.6	76.8	115.2
184	31.4	25.0	37.6
145	30.3	22.1	33.1



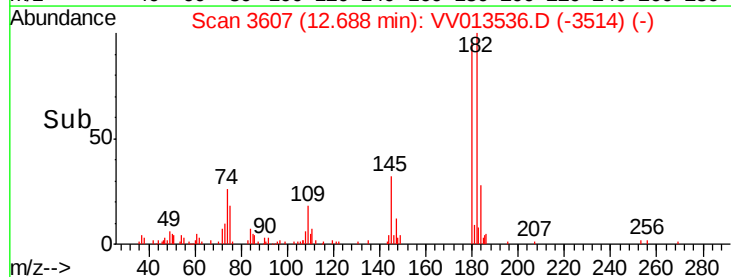
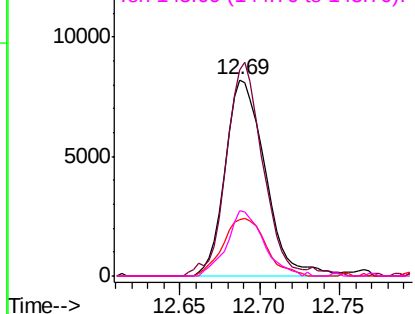
Abundance

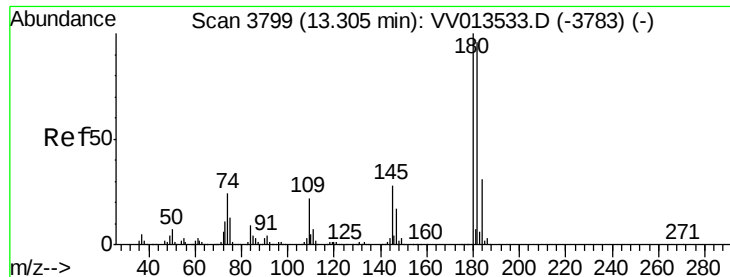
Ion 180.00 (179.70 to 180.70): V

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

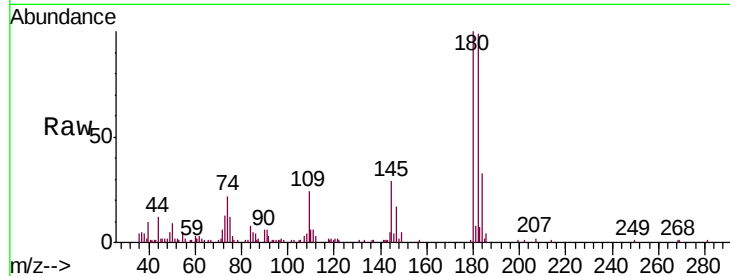




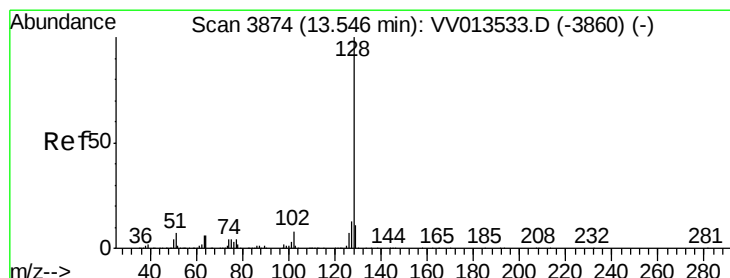
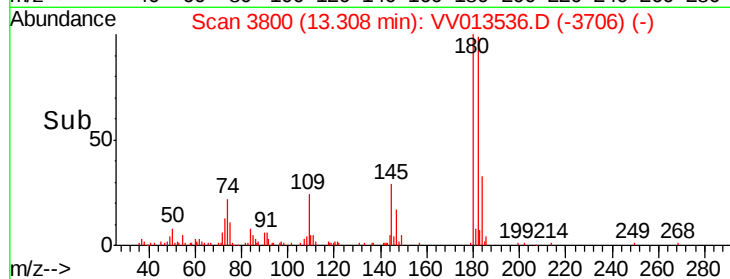
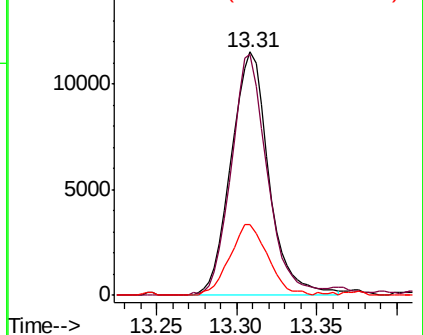
#68
 1,2,4-trichlorobenzene
 Concen: 0.459 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013536.D
 Acq: 08 Nov 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK42

Tgt Ion:180 Resp: 18526
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.6 115.0
 145 29.4 22.2 33.4

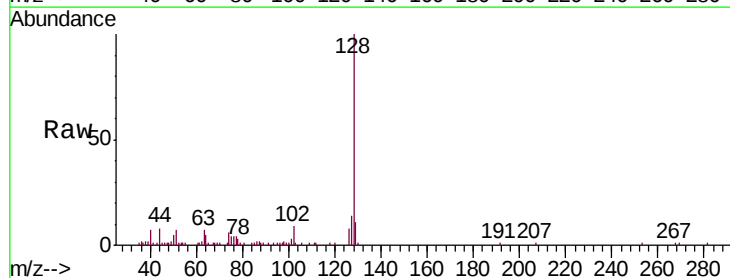


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

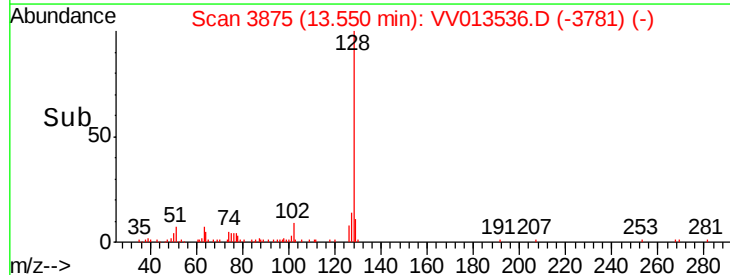
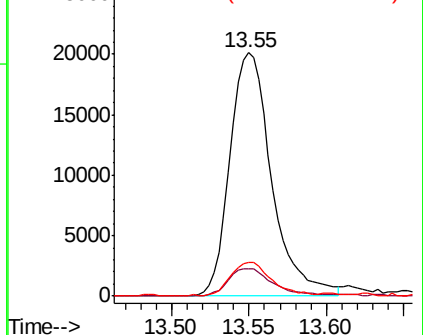


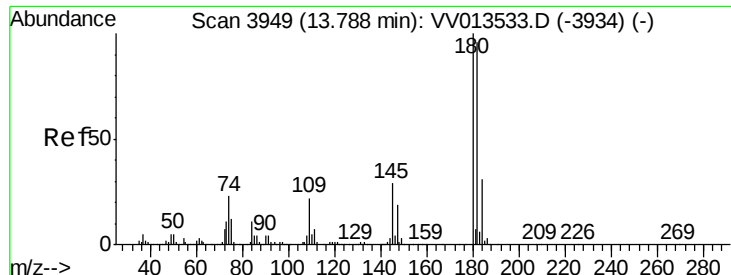
#69
 Naphthalene
 Concen: 0.694 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013536.D
 Acq: 08 Nov 2019 11:57

Tgt Ion:128 Resp: 37839
 Ion Ratio Lower Upper
 128 100
 129 12.0 8.5 12.7
 127 13.5 10.7 16.1



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

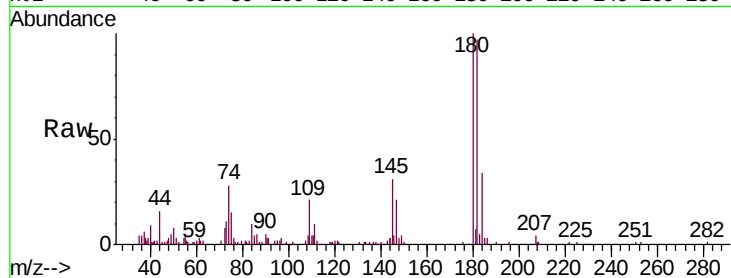




#70
 1,2,3-Trichlorobenzene
 Concen: 0.482 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013536.D
 Acq: 08 Nov 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.5	76.2	114.4
145	32.2	23.2	34.8



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

