

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102219\
 Data File : VV013282.D
 Acq On : 22 Oct 2019 16:44
 Operator : SY/MD
 Sample : K5457-03
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 23 01:26:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 01:23:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	414634	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	462174	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	238550	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	203722	6.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	133.20%#
7) Chloroethane-d5	1.58	69	161231	6.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	127.80%
11) 1,1-Dichloroethene-d2	2.13	63	248697	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	3.94	46	500461	85.25	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	170.50%#
24) Chloroform-d	4.40	84	408994	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.80%
26) 1,2-Dichloroethane-d4	5.08	65	201748	6.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.00%
32) Benzene-d6	5.10	84	815938	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
36) 1,2-Dichloropropane-d6	6.12	67	251743	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.36	98	669382	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.66	79	79685	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.13	63	301327	49.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	190020	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	282461	6.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.80%#

Target Compounds

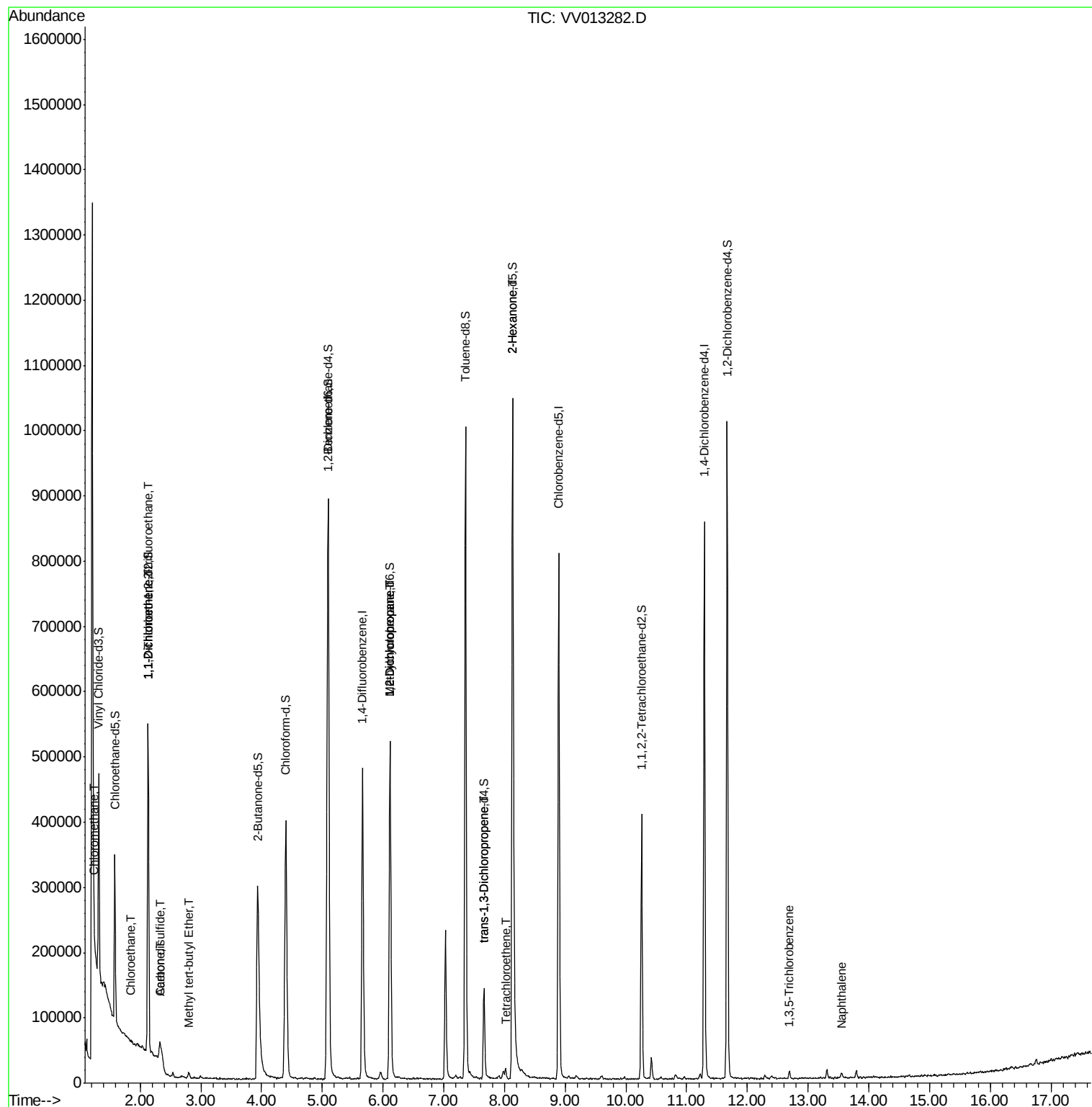
					Ovalue
3) Chloromethane	1.25	50	9357	0.235 ug/L #	76
8) Chloroethane	1.85	64	9227	0.387 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3341	0.098 ug/L #	23
12) 1,1-Dichloroethene	2.14	96	2555	0.078 ug/L #	1
13) Acetone	2.33	43	4835	1.593 ug/L	90
14) Carbon disulfide	2.32	76	8108	0.087 ug/L #	72
17) Methyl tert-butyl Ether	2.81	73	5384	0.071 ug/L #	90
35) Methylcyclohexane	6.12	83	62167	0.853 ug/L #	19
37) 1,2-Dichloropropane	6.12	63	26528	0.619 ug/L #	88
44) trans-1,3-Dichloropropene	7.66	75	3470	0.076 ug/L	95
47) Tetrachloroethene	8.02	164	3897	0.091 ug/L #	80
48) 2-Hexanone	8.13	43	46292	2.959 ug/L #	80
67) 1,3,5-Trichlorobenzene	12.69	180	3341	0.054 ug/L	96
69) Naphthalene	13.56	128	6278	0.084 ug/L #	89

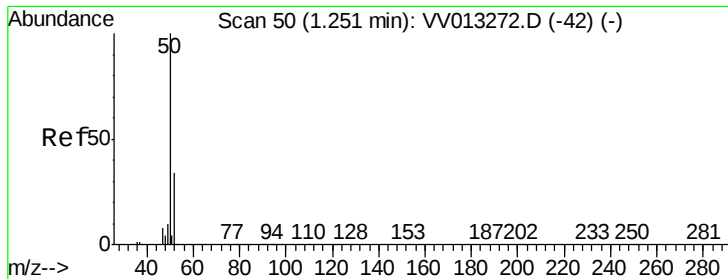
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 01:23:09 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.235 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013282.D

Acq: 22 Oct 2019 16:44

Instrument :

MSVOA_V

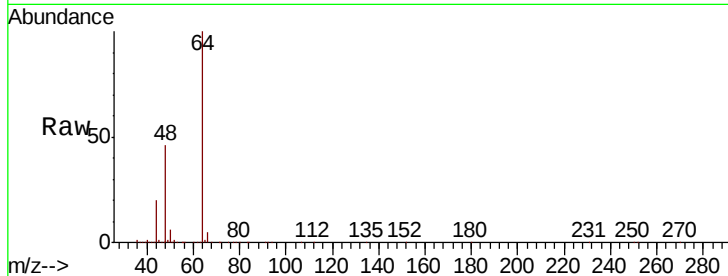
ClientSampleId :

Tot Ion: 50 Resp: 9357

Ion Ratio Lower Upper

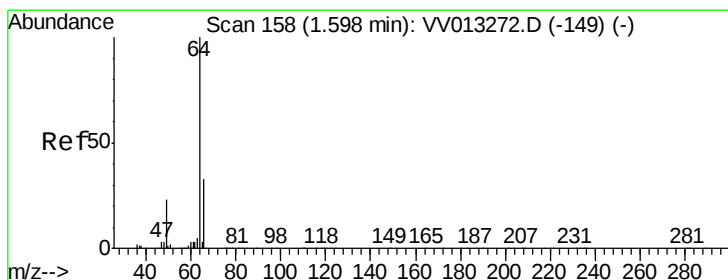
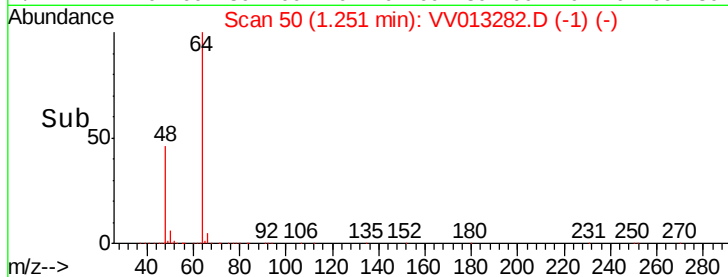
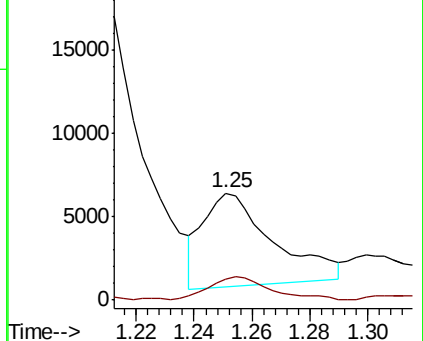
50 100

52 19.7 23.3 43.3#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.387 ug/L

RT: 1.85 min Scan# 236

Delta R.T. 0.25 min

Lab File: VV013282.D

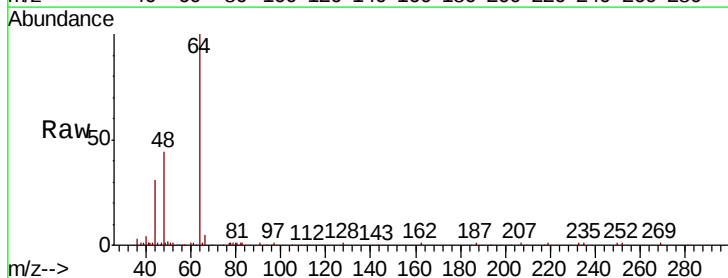
Acq: 22 Oct 2019 16:44

Tgt Ion: 64 Resp: 9227

Ion Ratio Lower Upper

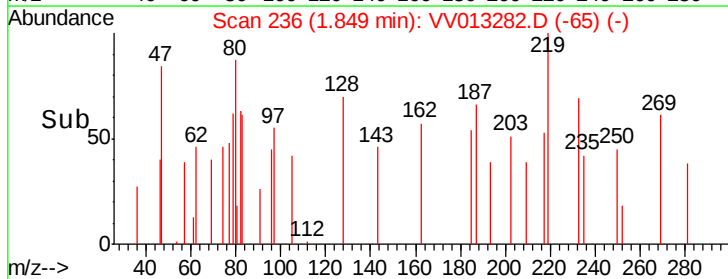
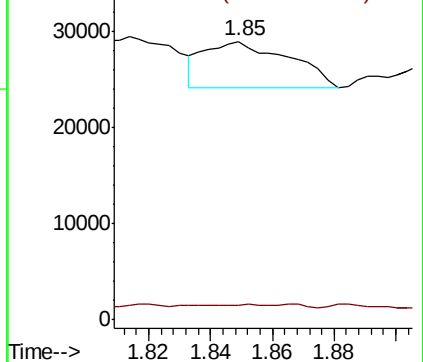
64 100

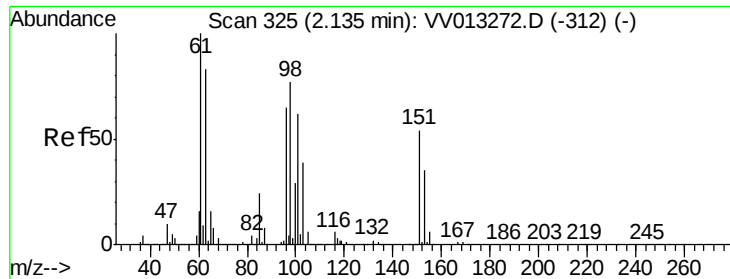
66 5.4 22.7 42.3#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.098 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013282.D

Acq: 22 Oct 2019 16:44

Instrument :

MSVOA_V

ClientSampled :

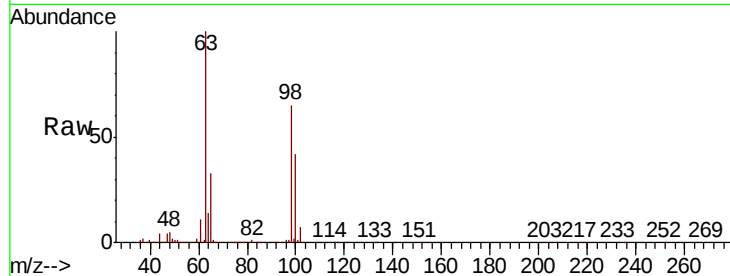
Tot Ion:101 Resp: 3341

Ion Ratio Lower Upper

101 100

85 8.6 31.8 47.8#

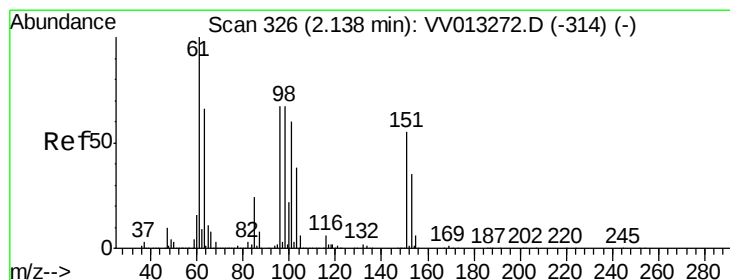
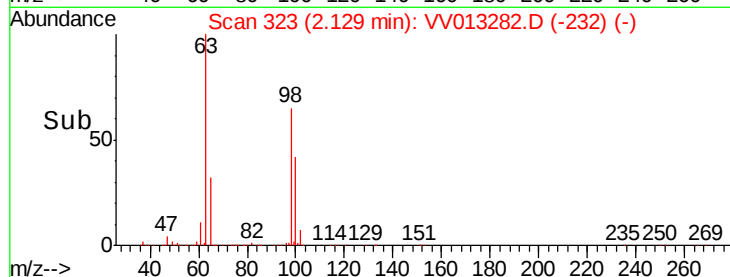
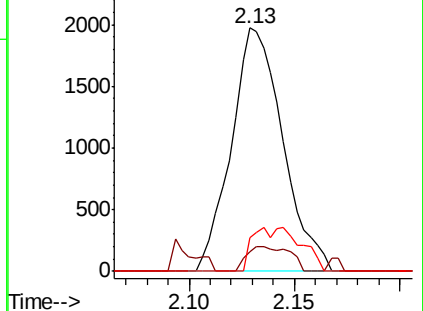
151 7.0 72.9 109.3#



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: 0.078 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013282.D

Acq: 22 Oct 2019 16:44

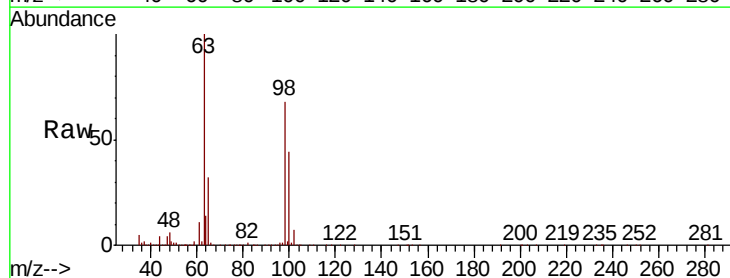
Tgt Ion: 96 Resp: 2555

Ion Ratio Lower Upper

96 100

61 1060.7 104.0 193.1#

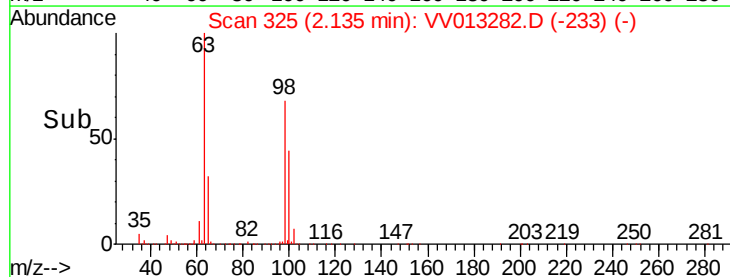
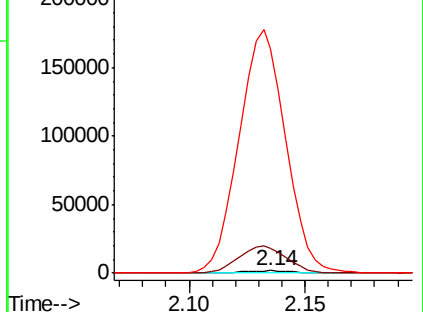
63 9376.4 67.1 124.5#

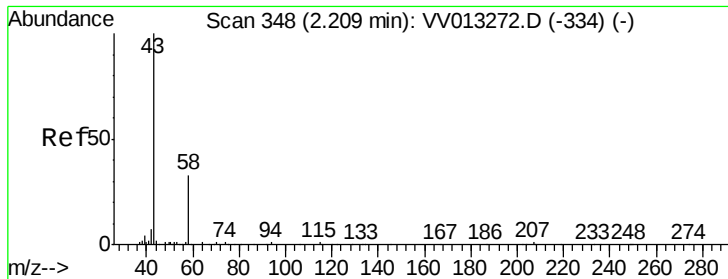


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.593 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.12 min

Lab File: VV013282.D

Acq: 22 Oct 2019 16:44

Instrument :

MSVOA_V

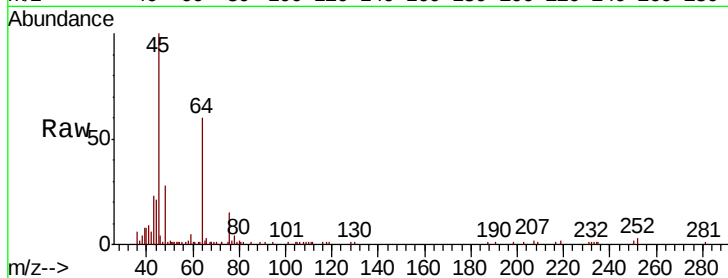
ClientSampleId :

Tot Ion: 43 Resp: 4835

Ion Ratio Lower Upper

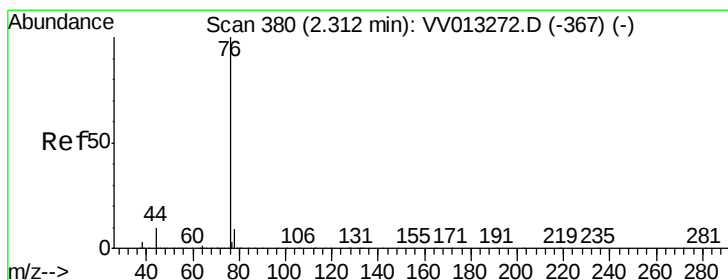
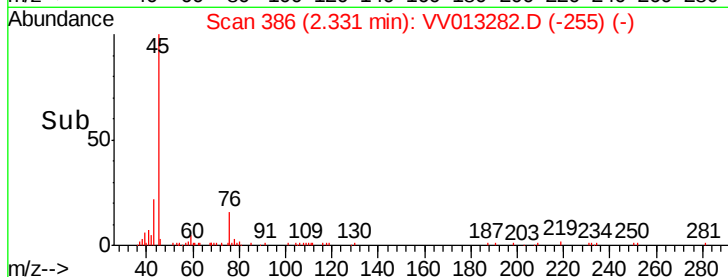
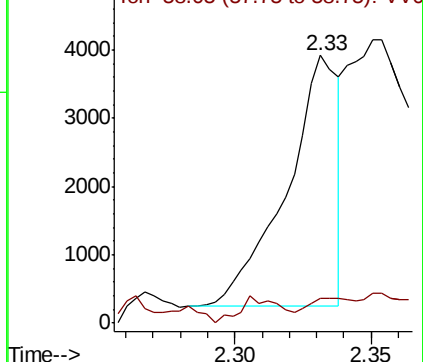
43 100

58 9.1 0.0 26.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.087 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013282.D

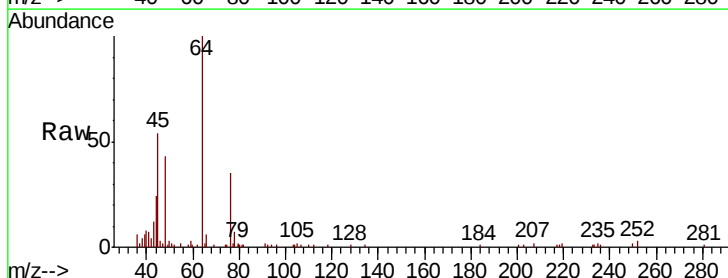
Acq: 22 Oct 2019 16:44

Tgt Ion: 76 Resp: 8108

Ion Ratio Lower Upper

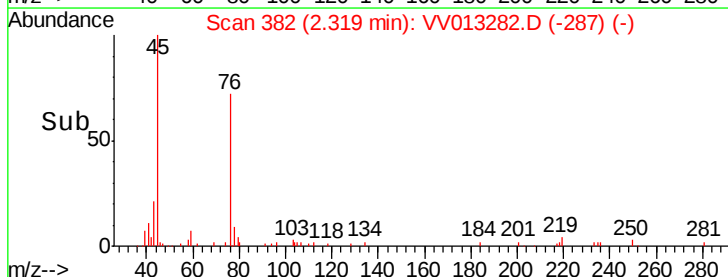
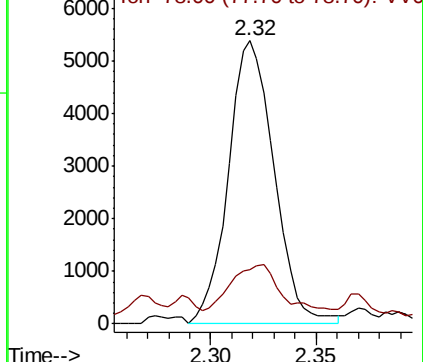
76 100

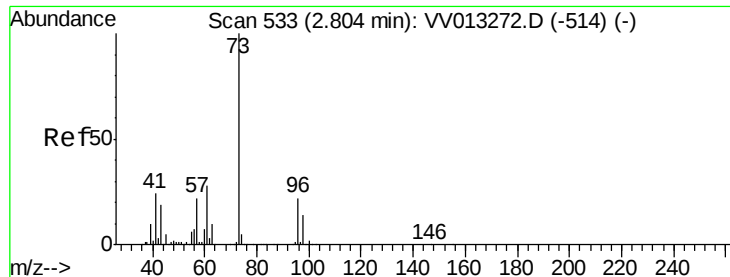
78 19.4 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

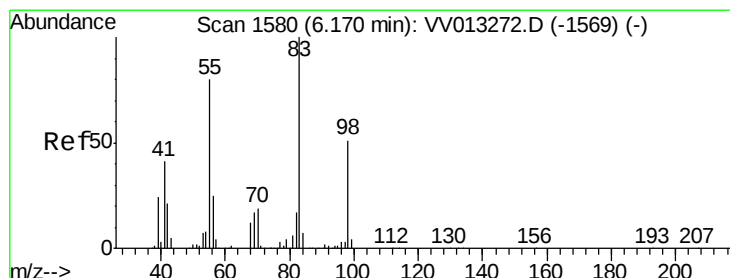
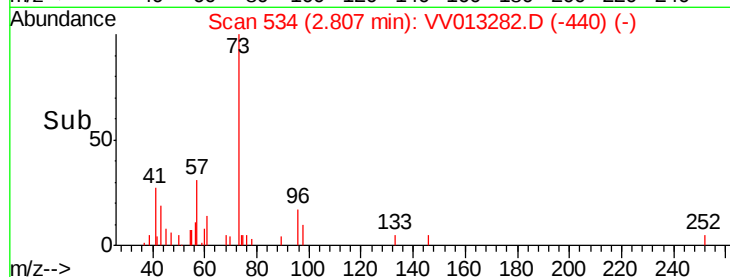
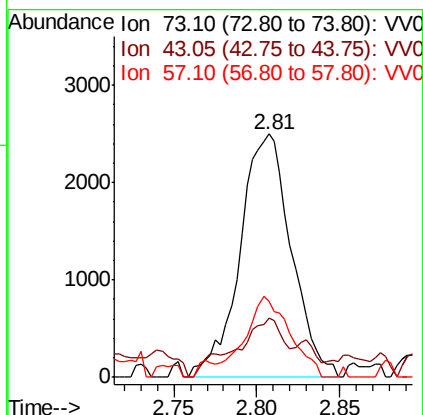
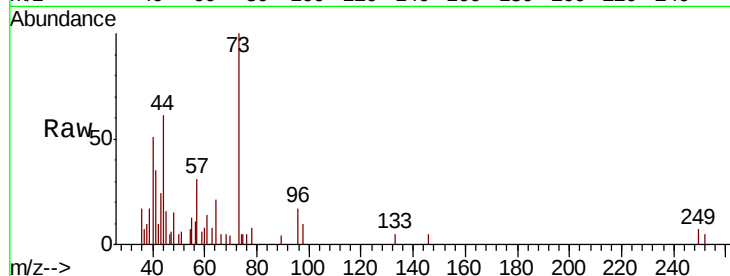




#17
Methvl tert-butvl Ether
Concen: 0.071 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013282.D
Acq: 22 Oct 2019 16:44

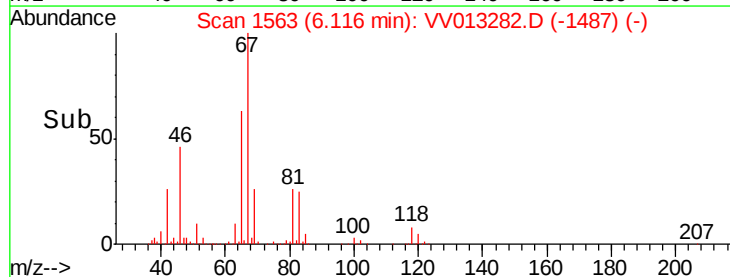
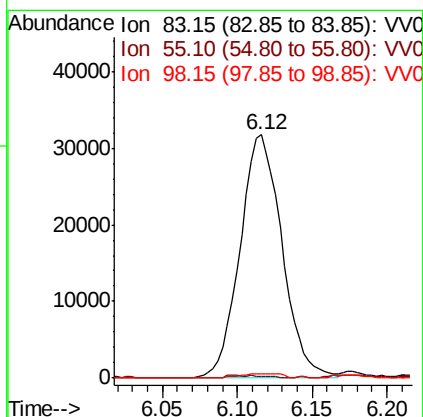
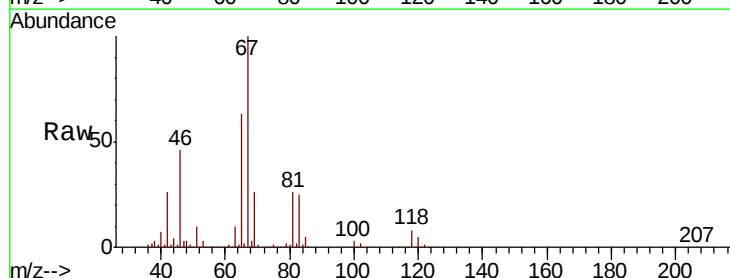
Instrument :
MSVOA_V
ClientSampleId :

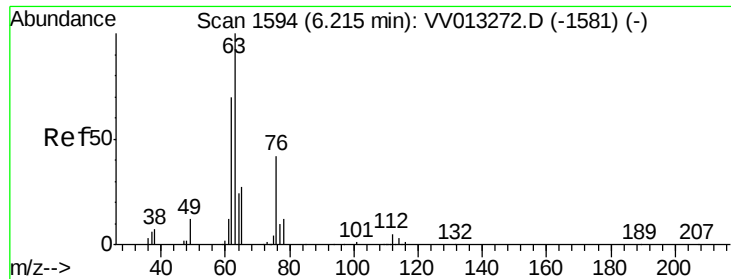
Tot Ion: 73 Resp: 5384
Ion Ratio Lower Upper
73 100
43 16.4 13.1 19.7
57 28.9 16.4 24.6#



#35
Methylcyclohexane
Concen: 0.853 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013282.D
Acq: 22 Oct 2019 16:44

Tgt Ion: 83 Resp: 62167
Ion Ratio Lower Upper
83 100
55 0.4 62.4 93.6#
98 1.8 39.2 58.8#





#37

1,2-Dichloropropane

Concen: 0.619 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013282.D

Acq: 22 Oct 2019 16:44

Instrument :

MSVOA_V

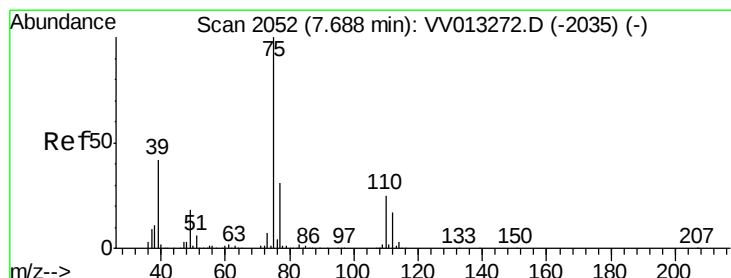
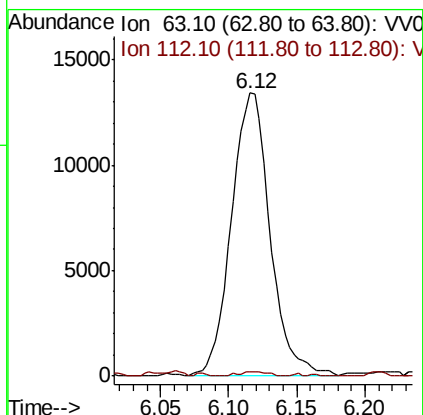
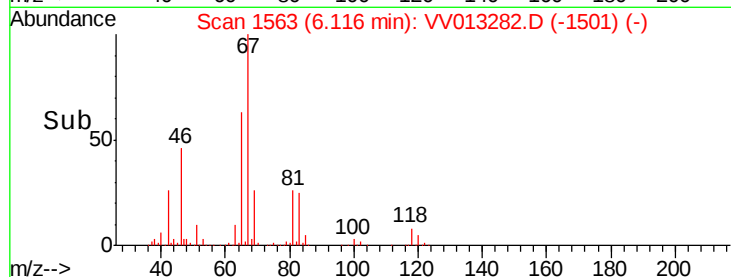
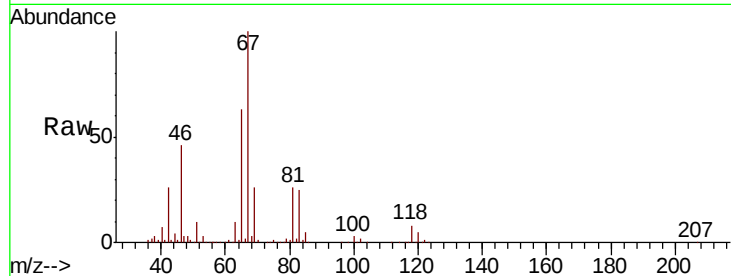
ClientSampleId :

Tot Ion: 63 Resp: 26528

Ion Ratio Lower Upper

63 100

112 1.1 4.1 6.1#



#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013282.D

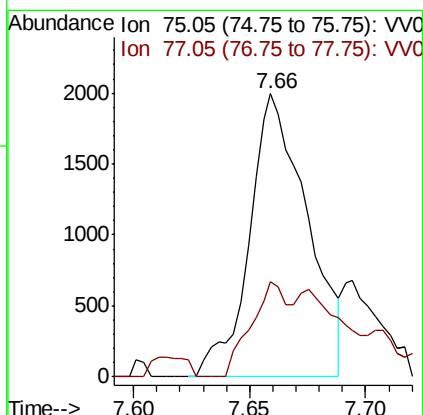
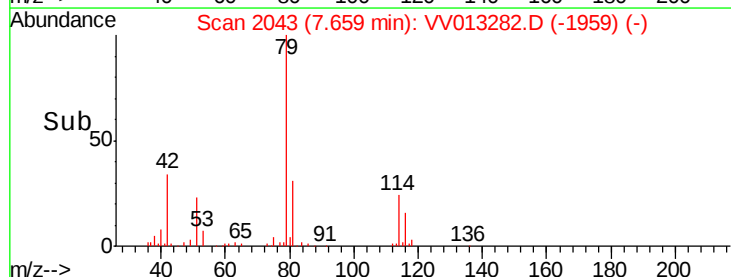
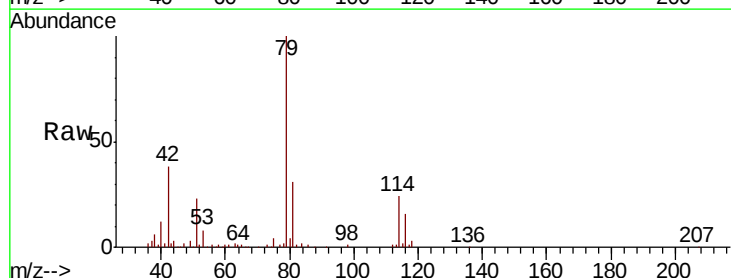
Acq: 22 Oct 2019 16:44

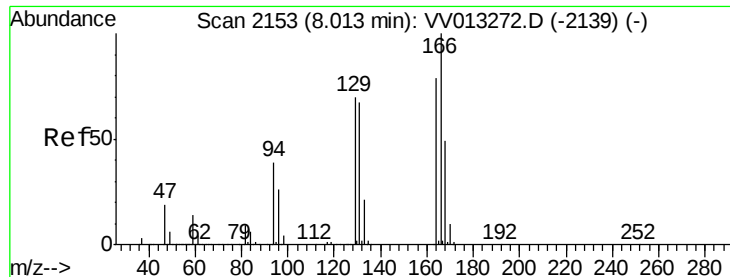
Tgt Ion: 75 Resp: 3470

Ion Ratio Lower Upper

75 100

77 33.9 21.8 40.6





#47

Tetrachloroethene

Concen: 0.091 ug/L

RT: 8.02 min Scan# 2155

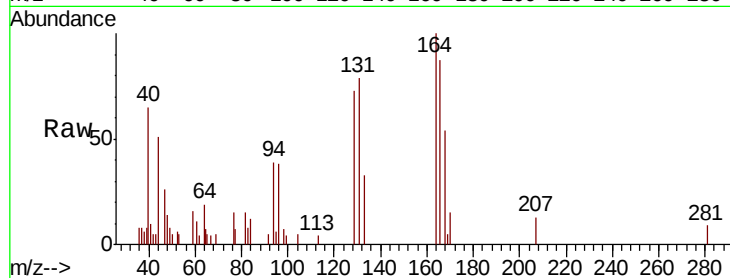
Delta R.T. 0.01 min

Lab File: VV013282.D

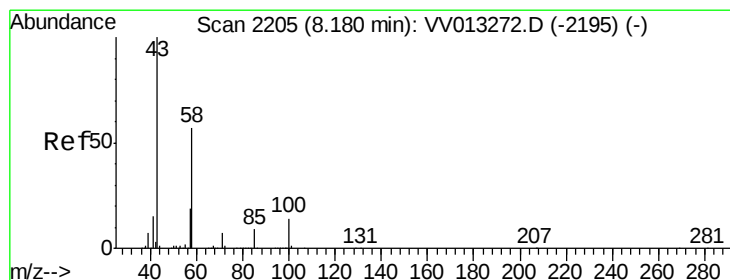
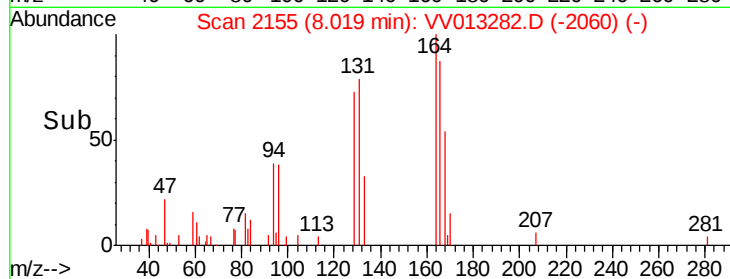
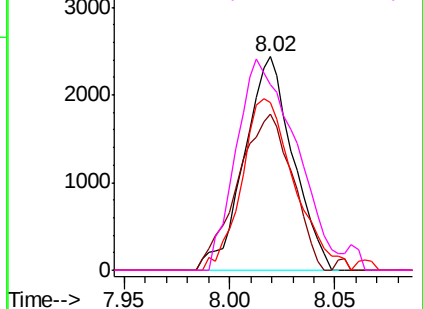
Acq: 22 Oct 2019 16:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164	Resp:	3897
Ion Ratio	Lower	Upper
164 100		
129 73.4	61.0	113.2
131 78.7	57.5	106.9
166 86.7	87.8	163.0#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.959 ug/L

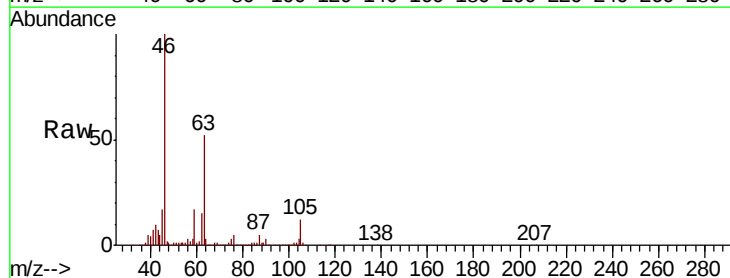
RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

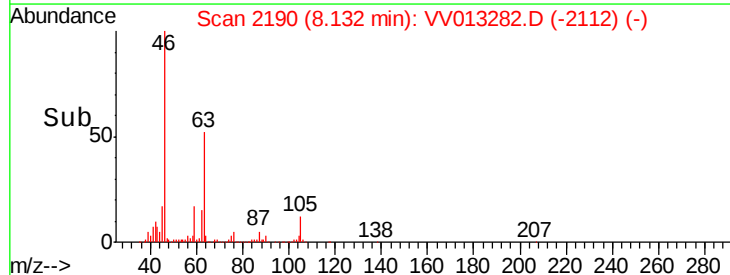
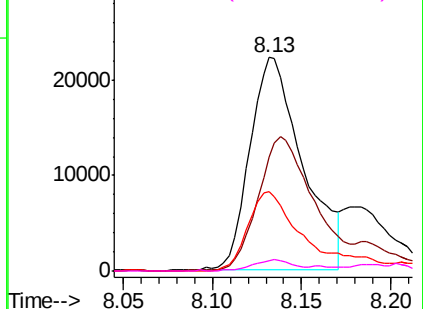
Lab File: VV013282.D

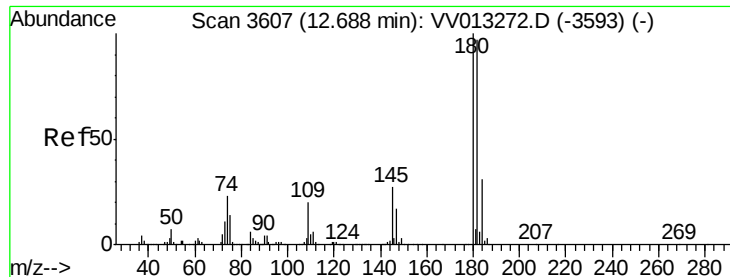
Acq: 22 Oct 2019 16:44

Tgt	Ion: 43	Resp:	46292
Ion	Ratio	Lower	Upper
43	100		
58	64.5	45.1	67.7
57	40.4	15.5	23.3#
100	4.2	10.2	15.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

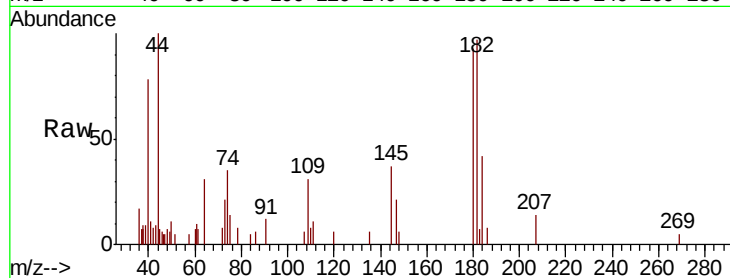




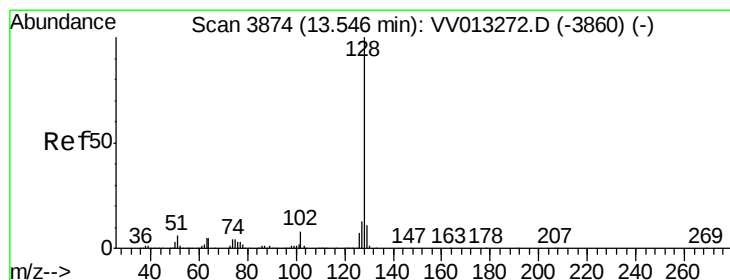
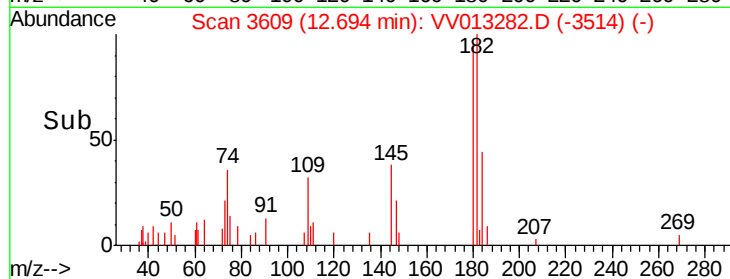
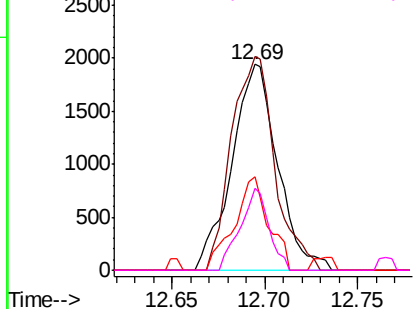
#67
 1,3,5-Trichlorobenzene
 Concen: 0.054 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.01 min
 Lab File: VV013282.D
 Acq: 22 Oct 2019 16:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	3341
Ion Ratio	Lower	Upper
180	100	
182	97.7	76.2 114.2
184	33.9	24.0 36.0
145	24.8	21.8 32.8

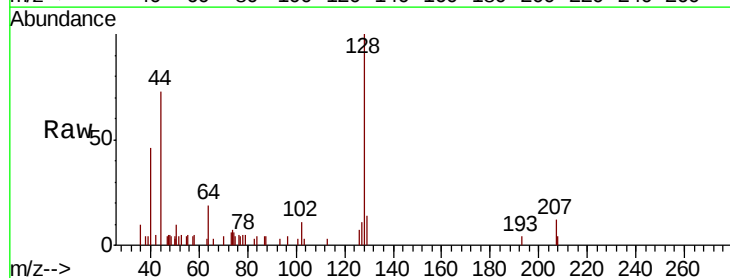


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#69
 Naphthalene
 Concen: 0.084 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.01 min
 Lab File: VV013282.D
 Acq: 22 Oct 2019 16:44

Tgt Ion:128	Resp:	6278
Ion Ratio	Lower	Upper
128	100	
129	5.3	9.0 13.6#
127	10.4	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

