

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122319\
 Data File : VV014171.D
 Acq On : 23 Dec 2019 20:43
 Operator : SY/MD
 Sample : K6404-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 24 01:38:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 24 01:34:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	383338	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	361567	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	167345	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137471	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.58	69	119409	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.13	63	183154	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	3.92	46	336792	64.91	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.82%
24) Chloroform-d	4.40	84	266990	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.08	65	136267	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.09	84	525714	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.11	67	162044	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.80%
41) Toluene-d8	7.36	98	454314	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.66	79	57153	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.13	63	245862	60.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.84%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	112863	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	172252	5.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.00%

Target Compounds

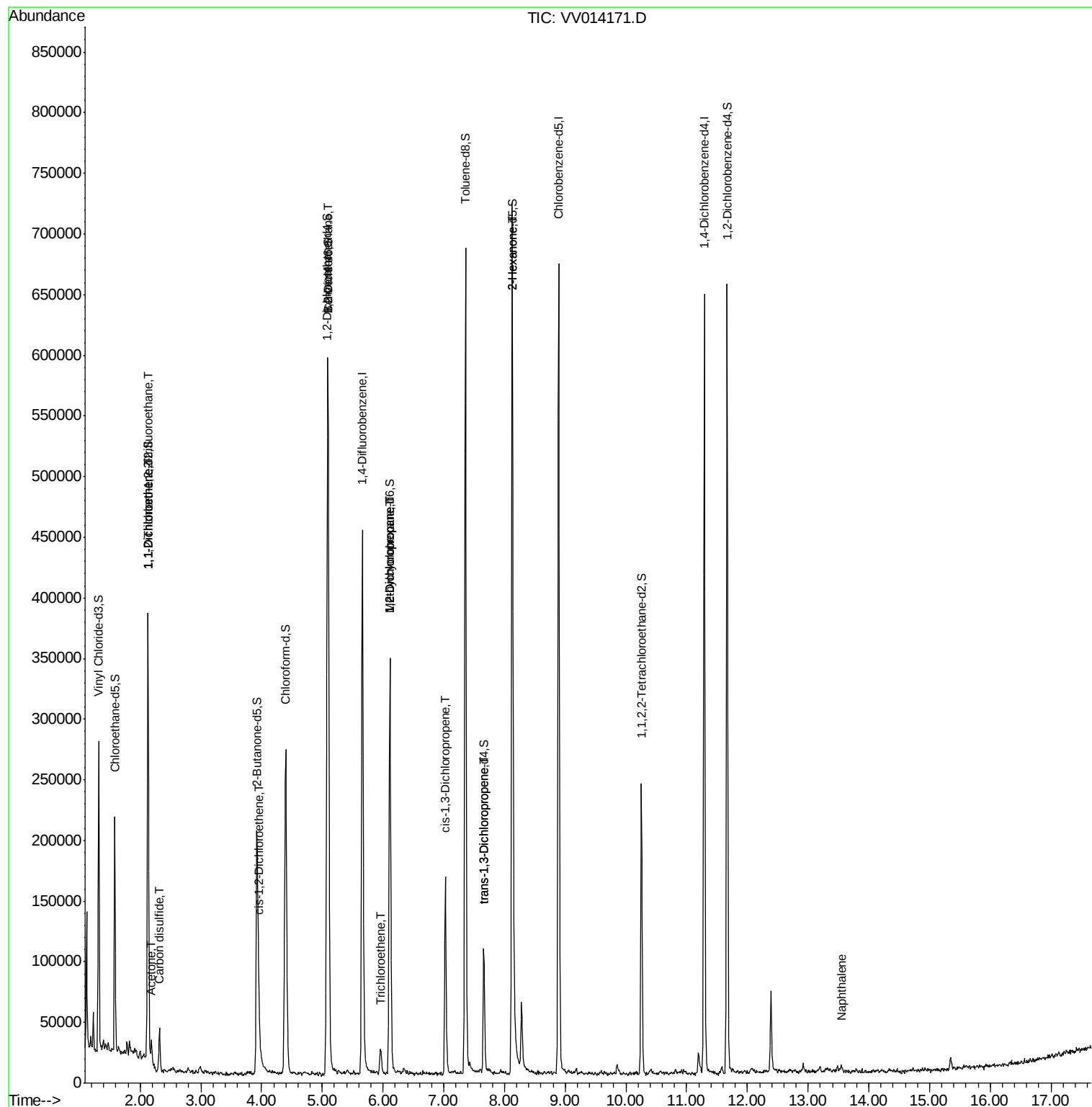
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1842	0.081	ug/L #	27
12) 1,1-Dichloroethene	2.13	96	2015	0.091	ug/L #	1
13) Acetone	2.19	43	16378	3.875	ug/L	87
14) Carbon disulfide	2.32	76	40905	0.557	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	3262	0.121	ug/L #	77
27) 1,2-Dichloroethane	5.09	62	1427	0.050	ug/L	96
34) Trichloroethene	5.96	95	7207	0.268	ug/L	89
35) Methylcyclohexane	6.11	83	39898	1.000	ug/L #	18
37) 1,2-Dichloropropane	6.11	63	18120	0.720	ug/L #	86
39) cis-1,3-Dichloropropene	7.02	75	4219	0.119	ug/L #	60
44) trans-1,3-Dichloropropene	7.66	75	2756	0.099	ug/L #	82
48) 2-Hexanone	8.13	43	32960	3.290	ug/L #	72
69) Naphthalene	13.55	128	4050	0.094	ug/L	98

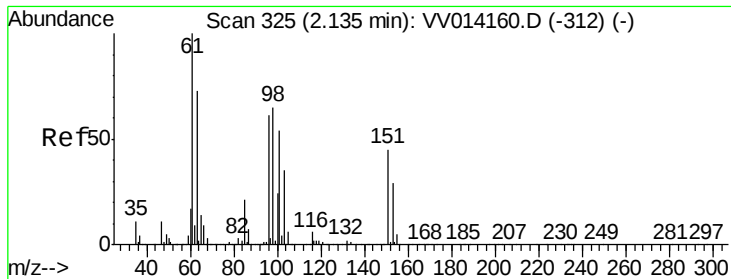
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.081 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014171.D

Acq: 23 Dec 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :

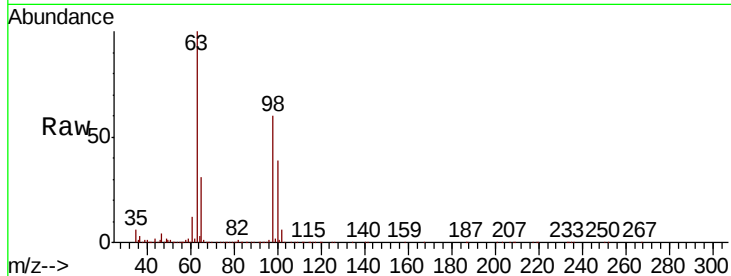
Tot Ion:101 Resp: 1842

Ion Ratio Lower Upper

101 100

85 11.0 34.7 52.1#

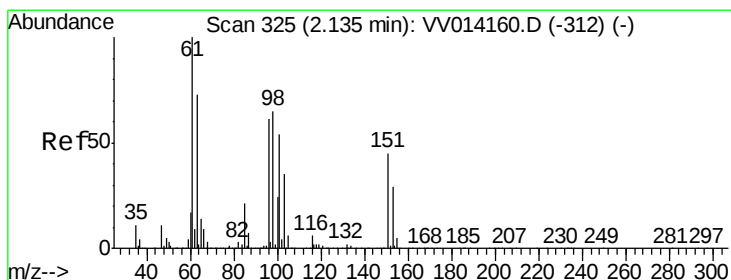
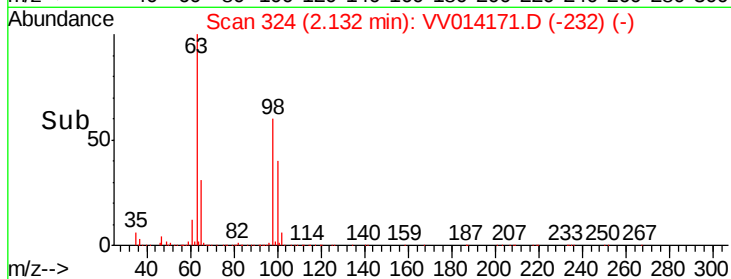
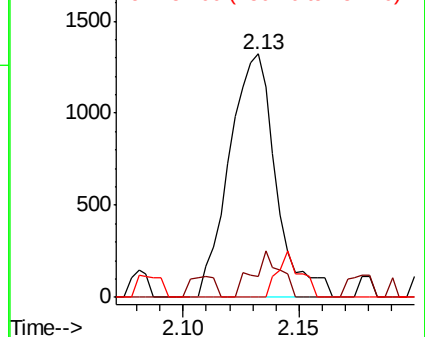
151 9.1 69.1 103.7#



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: 0.091 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014171.D

Acq: 23 Dec 2019 20:43

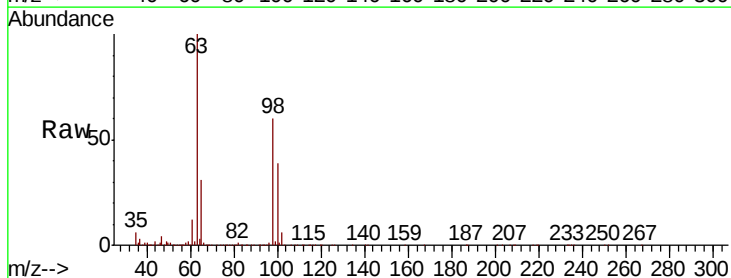
Tgt Ion: 96 Resp: 2015

Ion Ratio Lower Upper

96 100

61 1036.8 115.8 215.2#

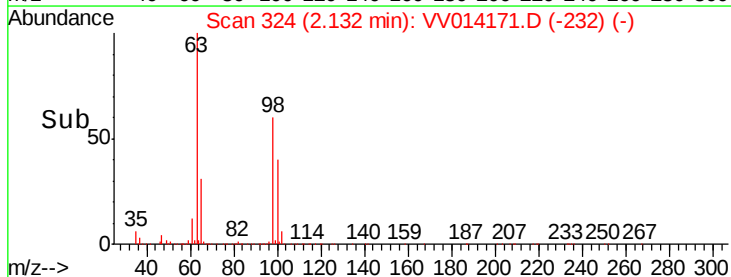
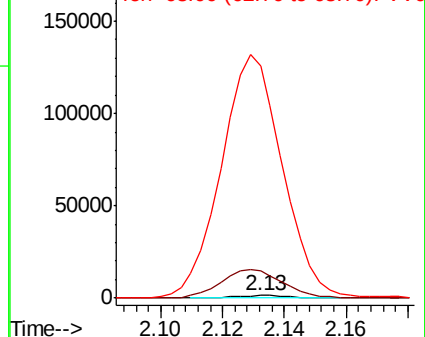
63 8941.4 79.9 148.3#

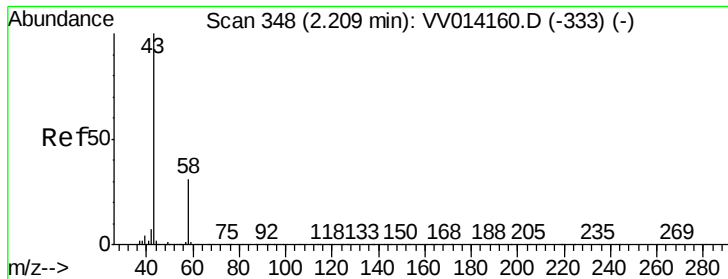


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.875 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV014171.D

Acq: 23 Dec 2019 20:43

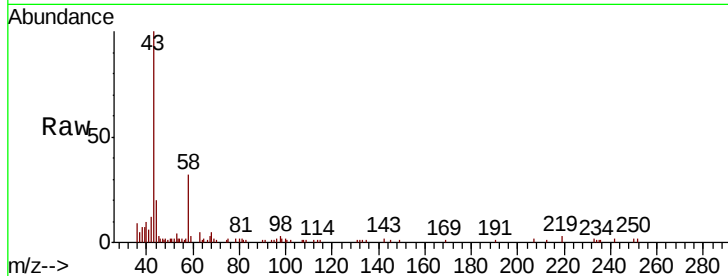
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 16378

Ion Ratio Lower Upper

43 100

58 36.1 0.0 58.8



Abundance Ion 43.05 (42.75 to 43.75): VV014160.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV014160.D (-333) (-)

2.19

12000

10000

8000

6000

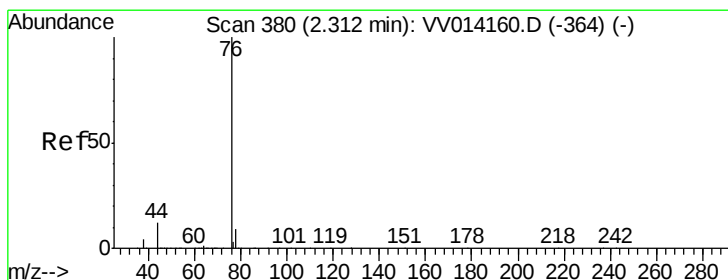
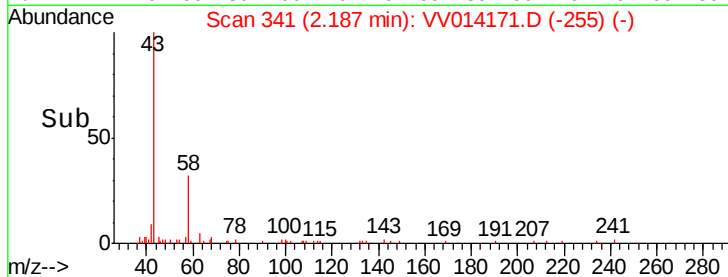
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.557 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV014171.D

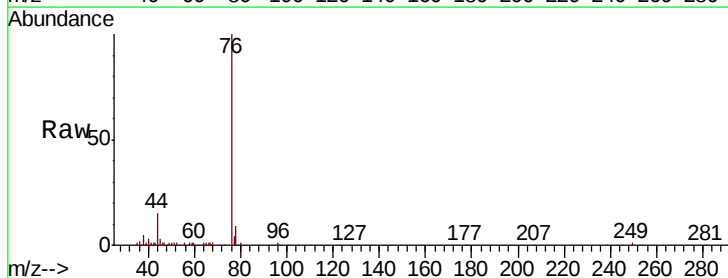
Acq: 23 Dec 2019 20:43

Tgt Ion: 76 Resp: 40905

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV014160.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV014160.D (-364) (-)

2.32

30000

25000

20000

15000

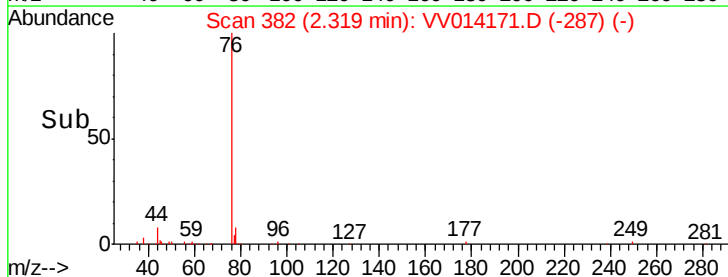
10000

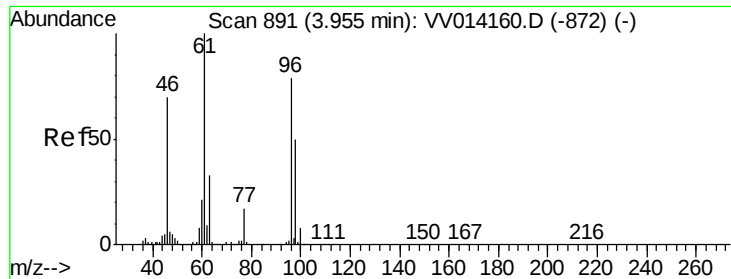
5000

0

Time-->

2.25 2.30 2.35





#22

cis-1,2-Dichloroethene

Concen: 0.121 ug/L

RT: 3.96 min Scan# 892

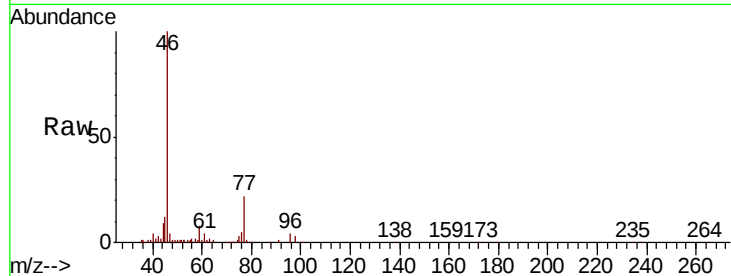
Delta R.T. 0.00 min

Lab File: VV014171.D

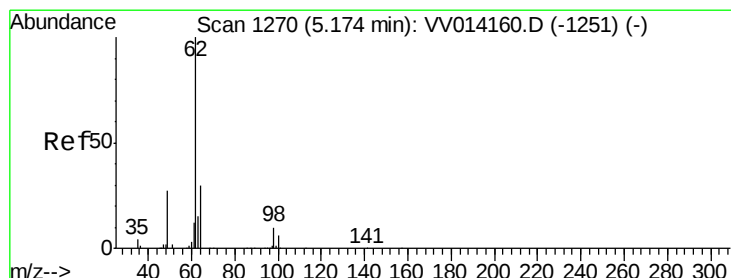
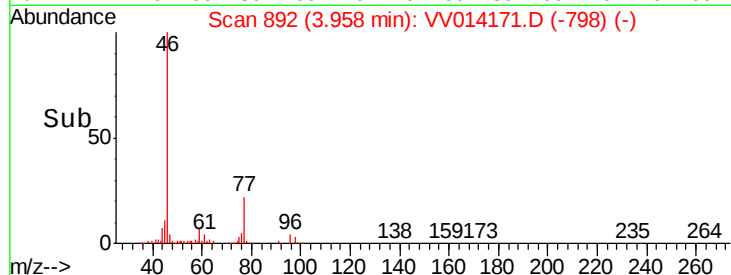
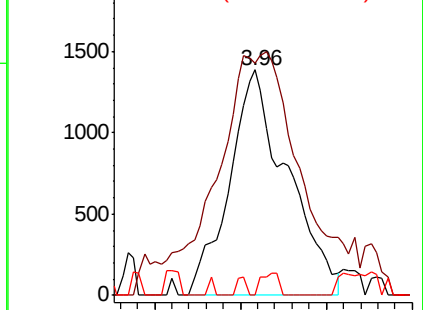
Acq: 23 Dec 2019 20:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	96	Resp:	3262
Ion	Ratio	Lower	Upper
96	100		
61	102.9	91.2	169.4
68	0.0	0.1	0.3#



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



#27

1,2-Dichloroethane

Concen: 0.050 ug/L

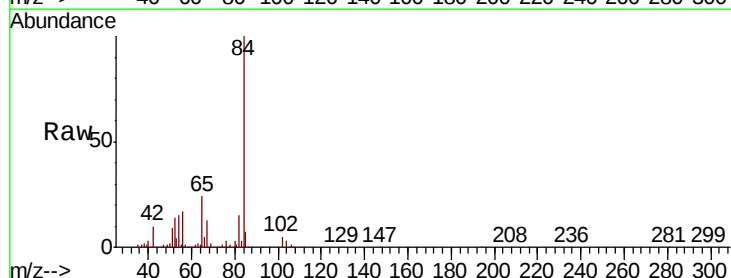
RT: 5.09 min Scan# 1243

Delta R.T. -0.09 min

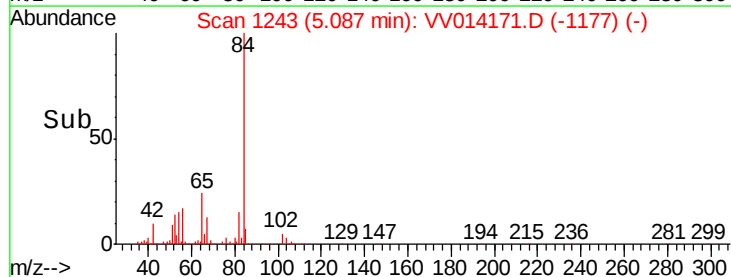
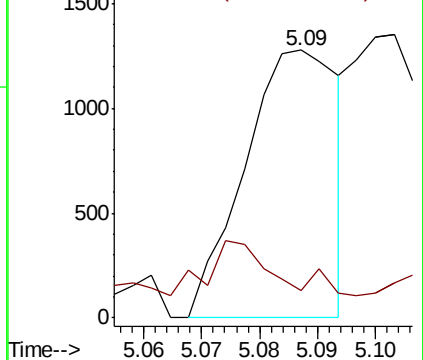
Lab File: VV014171.D

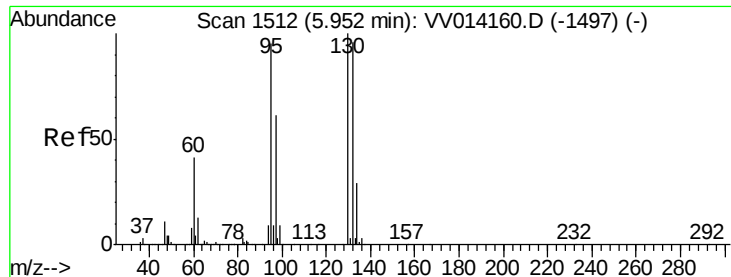
Acq: 23 Dec 2019 20:43

Tgt Ion:	62	Resp:	1427
Ion	Ratio	Lower	Upper
62	100		
98	10.2	7.0	10.6



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

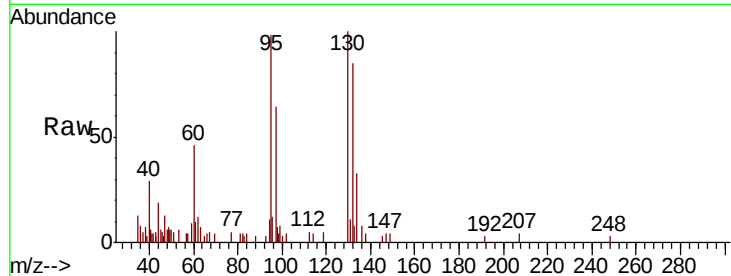




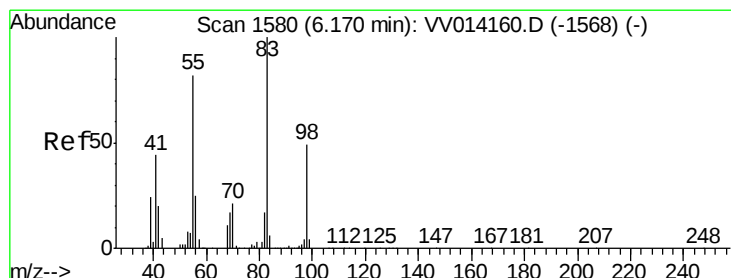
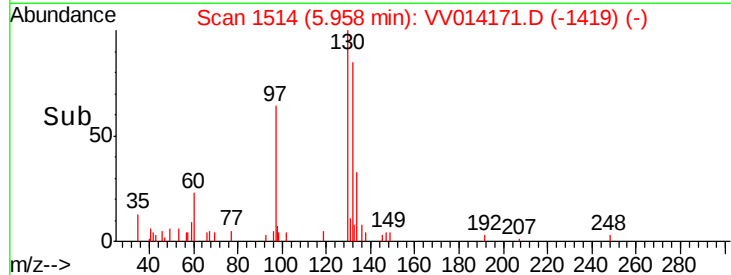
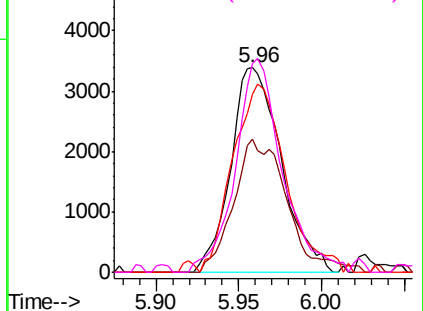
#34
 Trichloroethene
 Concen: 0.268 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.01 min
 Lab File: VV014171.D
 Acq: 23 Dec 2019 20:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	7207
Ion	Ratio	Lower	Upper
95	100		
97	65.1	47.2	87.6
132	87.2	74.1	137.7
130	102.2	77.5	143.9

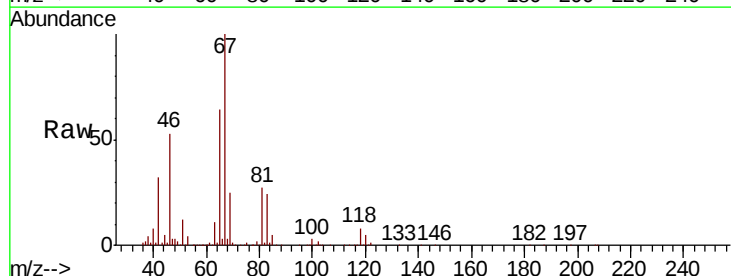


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

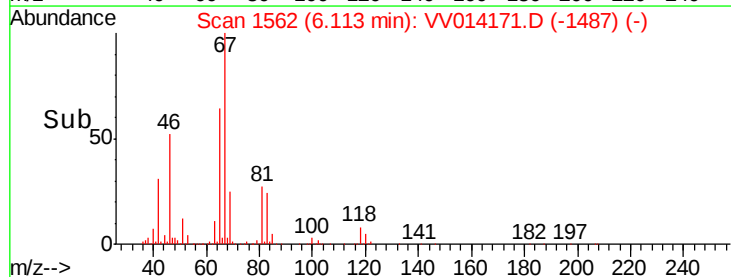
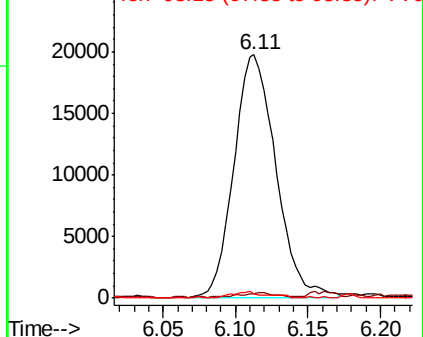


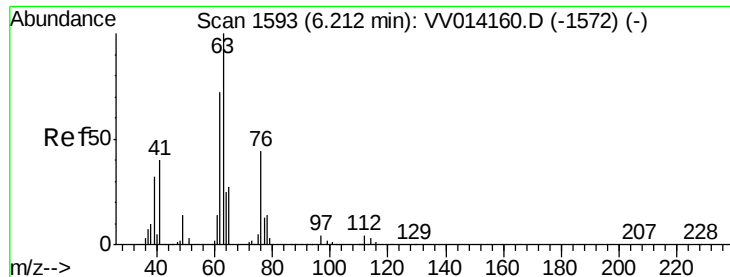
#35
 Methylcyclohexane
 Concen: 1.000 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: VV014171.D
 Acq: 23 Dec 2019 20:43

Tgt Ion:	83	Resp:	39898
Ion	Ratio	Lower	Upper
83	100		
55	2.3	65.3	97.9#
98	1.6	39.2	58.8#



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: 0.720 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV014171.D

Acq: 23 Dec 2019 20:43

Instrument :

MSVOA_V

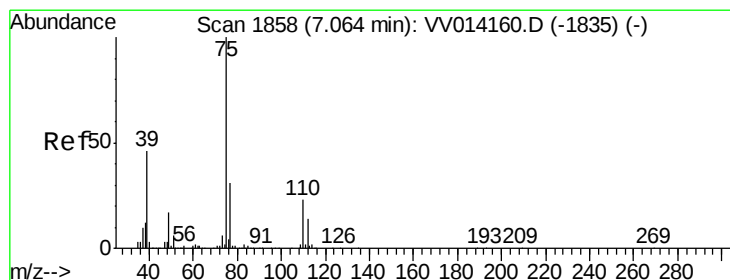
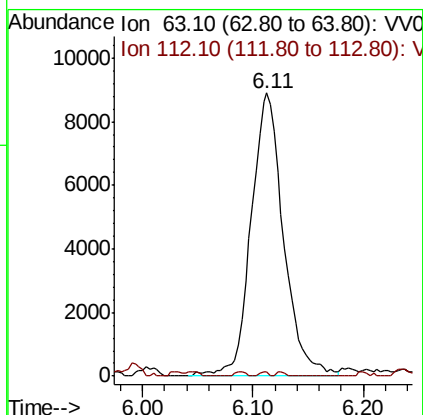
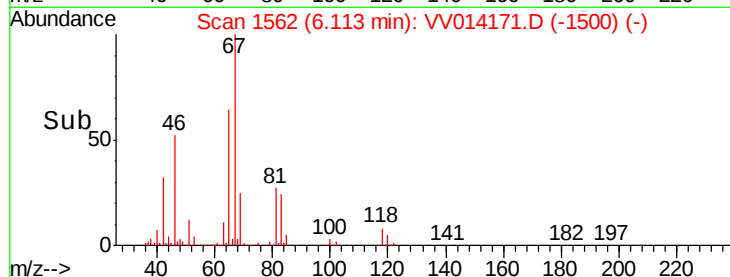
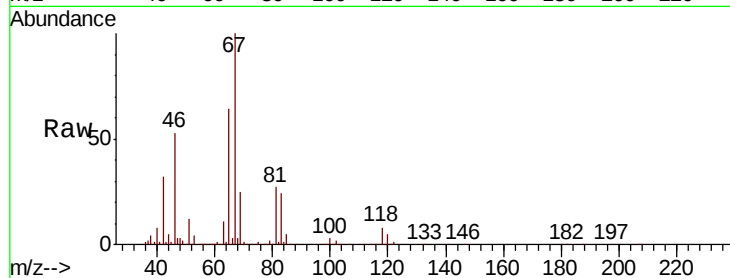
ClientSampleId :

Tot Ion: 63 Resp: 18120

Ion Ratio Lower Upper

63 100

112 0.4 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 7.02 min Scan# 1845

Delta R.T. -0.04 min

Lab File: VV014171.D

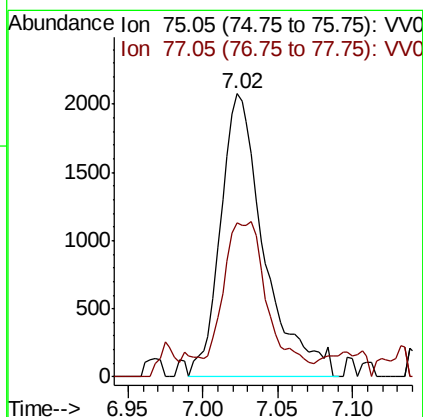
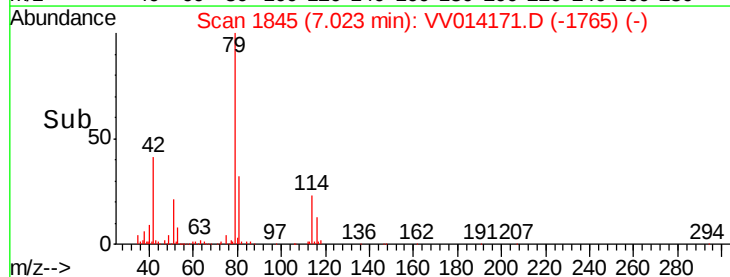
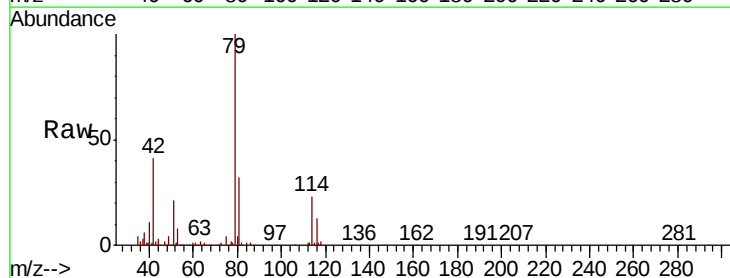
Acq: 23 Dec 2019 20:43

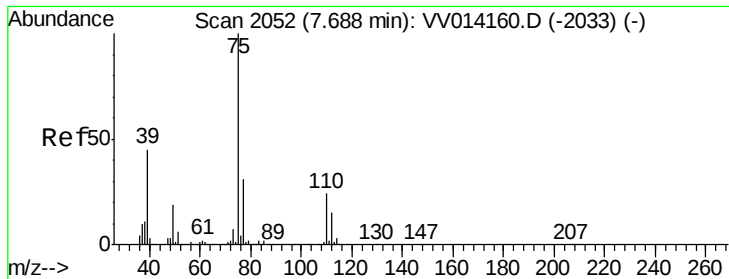
Tgt Ion: 75 Resp: 4219

Ion Ratio Lower Upper

75 100

77 54.6 22.6 42.0#





#44

trans-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV014171.D

Acq: 23 Dec 2019 20:43

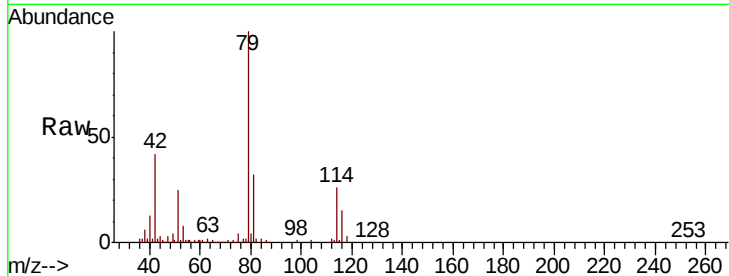
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 2756

Ion Ratio Lower Upper

75 100

77 42.9 22.8 42.4#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

1500

1000

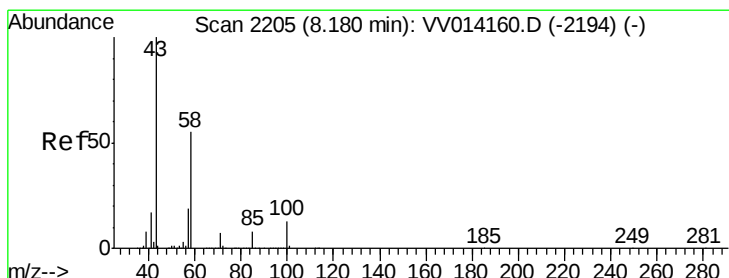
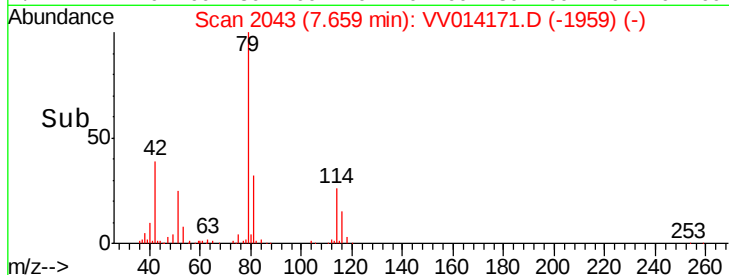
500

0

7.60 7.65 7.70 7.75

7.66

Time-->



#48

2-Hexanone

Concen: 3.290 ug/L

RT: 8.13 min Scan# 2189

Delta R.T. -0.05 min

Lab File: VV014171.D

Acq: 23 Dec 2019 20:43

Tgt Ion: 43 Resp: 32960

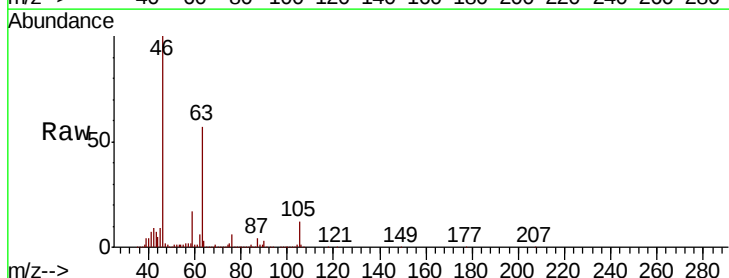
Ion Ratio Lower Upper

43 100

58 32.4 43.2 64.8#

57 29.6 14.8 22.2#

100 3.9 9.7 14.5#



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

25000

20000

15000

10000

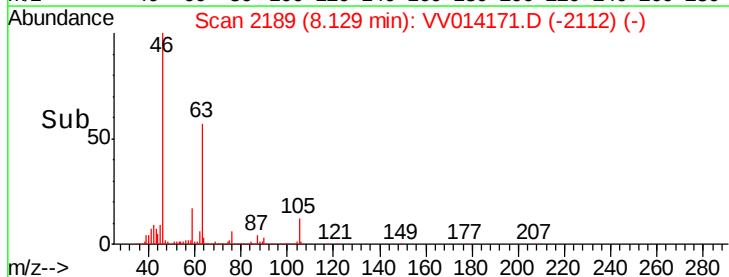
5000

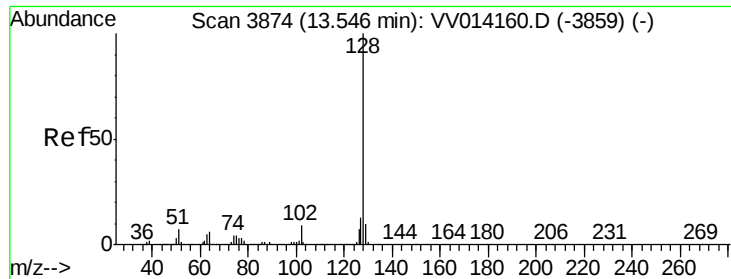
0

8.05 8.10 8.15 8.20

8.13

Time-->





#69

Naphthalene

Concen: 0.094 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

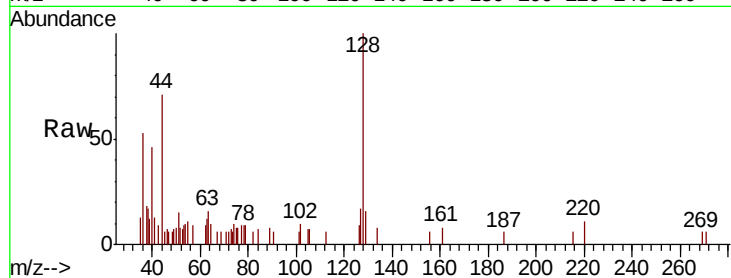
Lab File: VV014171.D

Acq: 23 Dec 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :



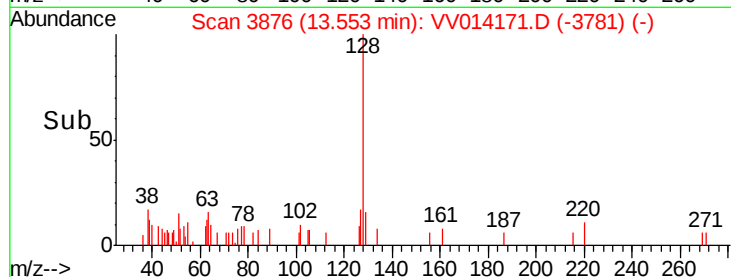
Tot Ion:128 Resp: 4050

Ion Ratio Lower Upper

128 100

129 9.0 8.6 12.8

127 13.7 10.8 16.2



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

