

Data File : VV013761.D
Acq On : 25 Nov 2019 13:23
Operator : SY/MD
Sample : K5941-13DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AC5DL

Quant Time: Nov 26 04:40:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 04:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	373830	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	375712	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	178948	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	98346	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.58	69	94540	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.13	63	141484	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	3.94	46	273316	56.82	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.64%
24) Chloroform-d	4.40	84	212973	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.08	65	110092	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.09	84	416127	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.11	67	135092	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.36	98	343976	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.60%
43) trans-1,3-Dichloropropene-	7.66	79	45281	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.14	63	214585	51.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.48%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	111428	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	159861	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

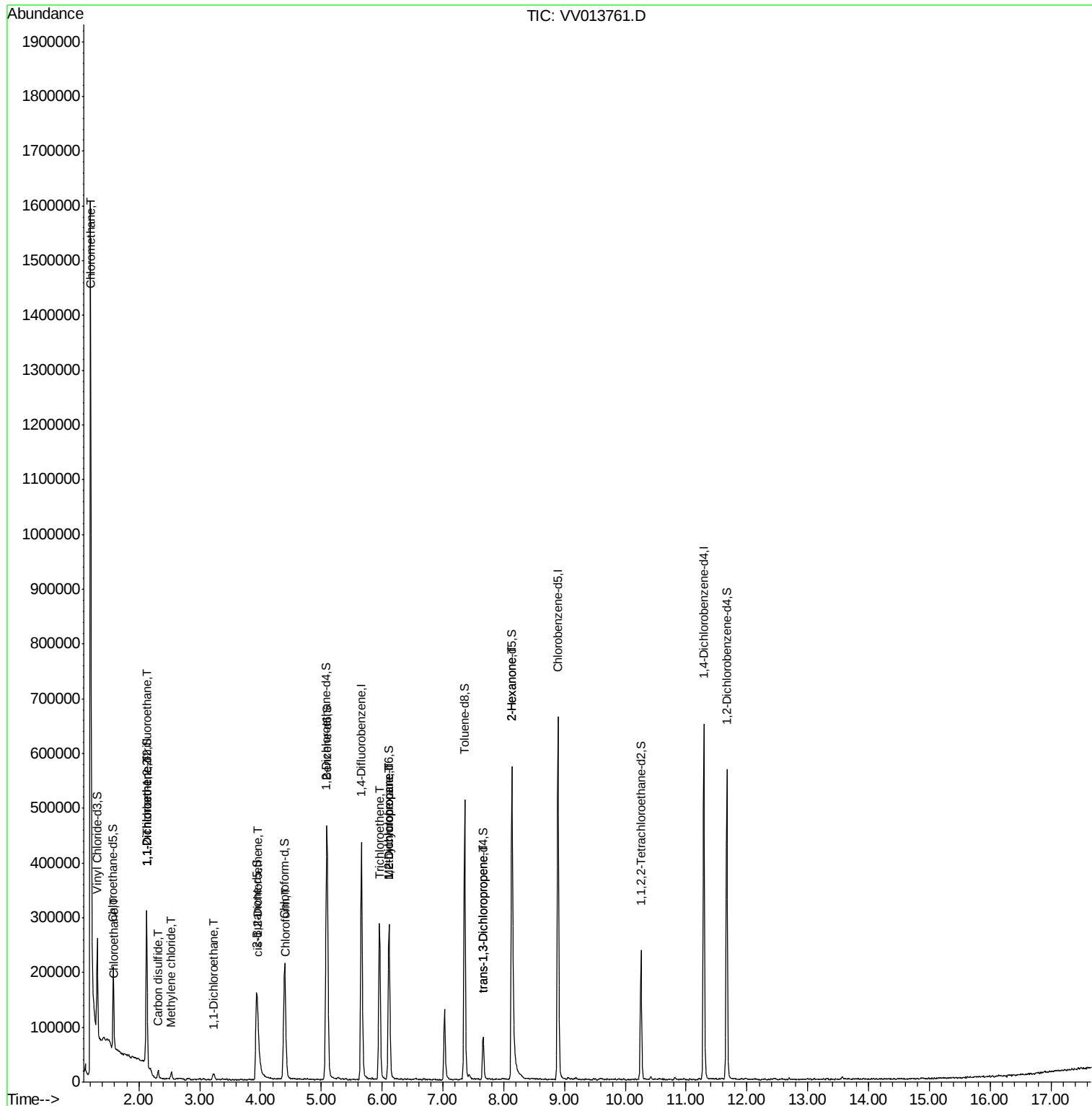
					Qvalue	
3) Chloromethane	1.20	50	31201	1.427	ug/L #	44
8) Chloroethane	1.60	64	3777	0.281	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1450	0.070	ug/L #	17
12) 1,1-Dichloroethene	2.14	96	4294	0.239	ug/L #	1
14) Carbon disulfide	2.32	76	16570	0.399	ug/L #	88
16) Methylene chloride	2.53	84	4821	0.196	ug/L	95
19) 1,1-Dichloroethane	3.23	63	11068	0.273	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	8517	0.358	ug/L	89
25) Chloroform	4.42	83	9893	0.230	ug/L	95
34) Trichloroethene	5.96	95	97691	3.843	ug/L	98
35) Methylcyclohexane	6.11	83	33886	0.999	ug/L #	19
37) 1,2-Dichloropropane	6.11	63	15076	0.636	ug/L #	85
44) trans-1,3-Dichloropropene	7.66	75	2089	0.079	ug/L	87
48) 2-Hexanone	8.14	43	26159	2.652	ug/L #	77

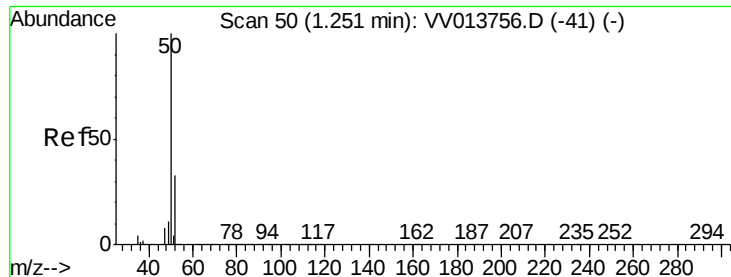
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.427 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.05 min

Lab File: VV013761.D

Acq: 25 Nov 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

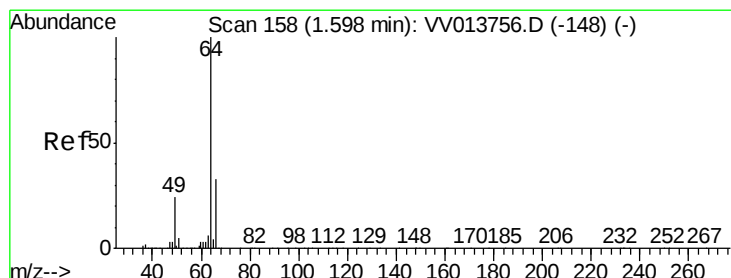
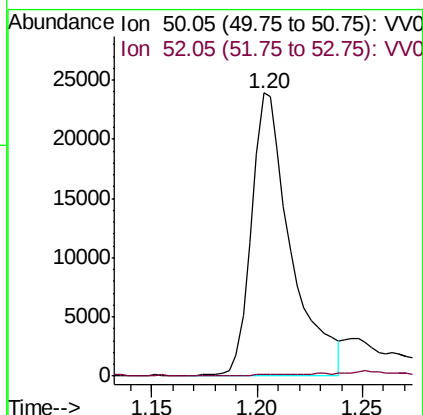
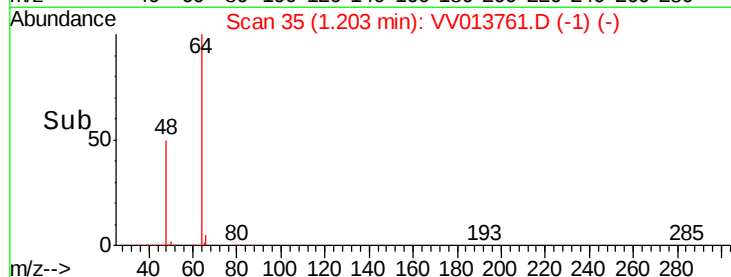
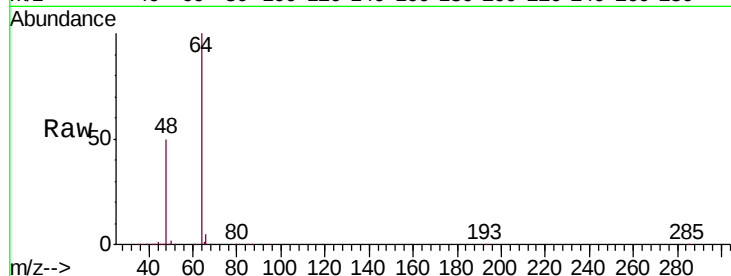
B0AC5DL

Tgt Ion: 50 Resp: 31201

Ion Ratio Lower Upper

50 100

52 0.8 22.5 41.7#



#8

Chloroethane

Concen: 0.281 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV013761.D

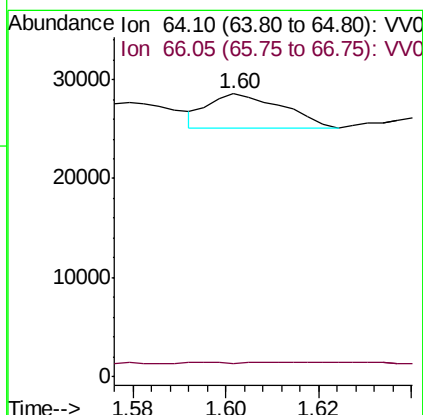
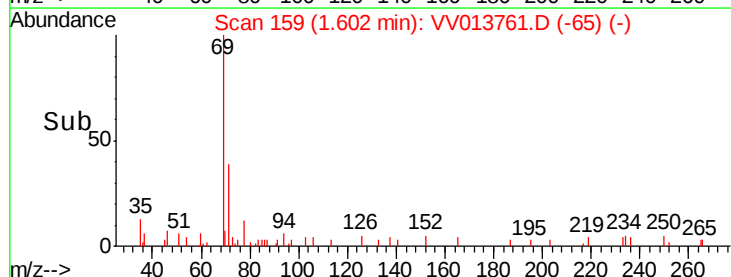
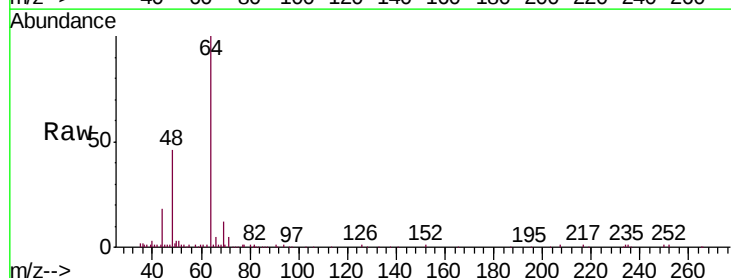
Acq: 25 Nov 2019 13:23

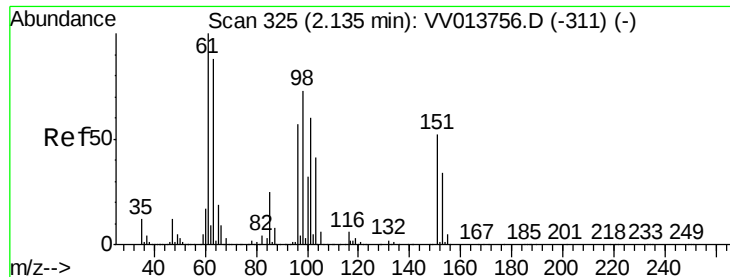
Tgt Ion: 64 Resp: 3777

Ion Ratio Lower Upper

64 100

66 4.8 22.6 42.0#





#10

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

Concen: 0.070 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013761.D

Acq: 25 Nov 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

B0AC5DL

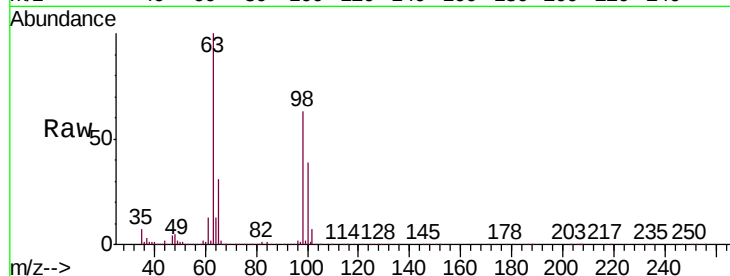
Tgt Ion:101 Resp: 1450

Ion Ratio Lower Upper

101 100

85 1.5 33.4 50.0#

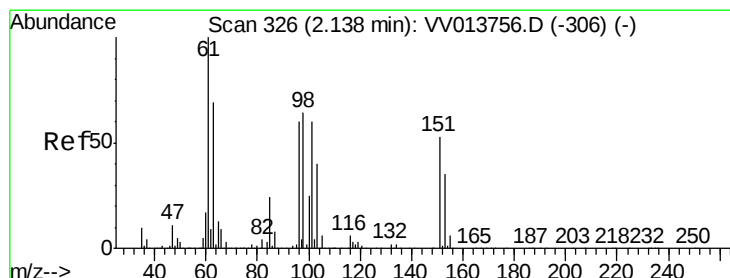
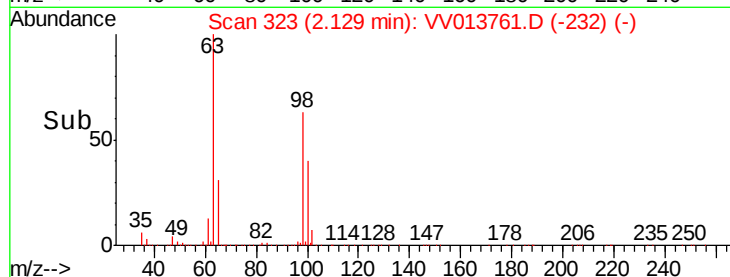
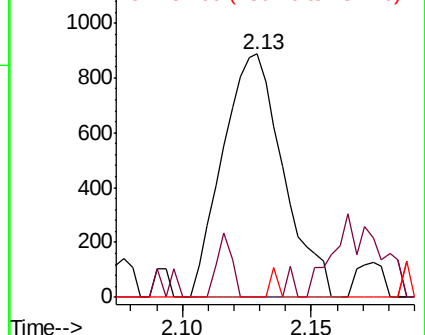
151 1.4 69.4 104.0#



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: 0.239 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013761.D

Acq: 25 Nov 2019 13:23

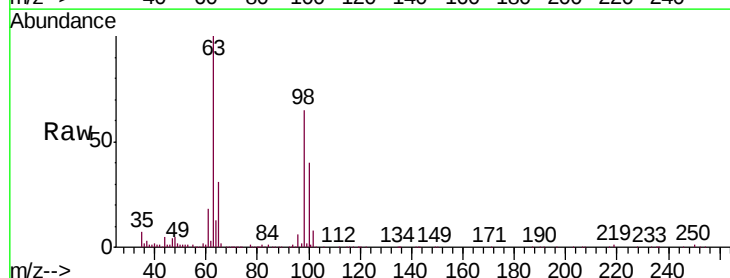
Tgt Ion: 96 Resp: 4294

Ion Ratio Lower Upper

96 100

61 316.9 116.3 215.9#

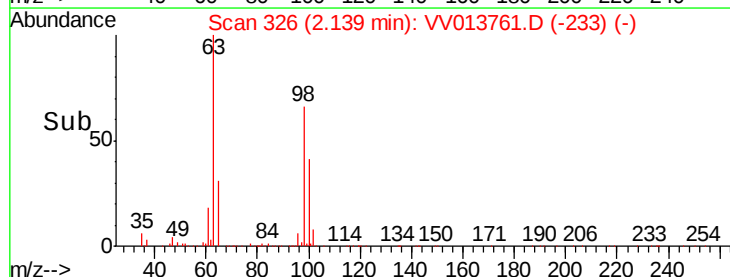
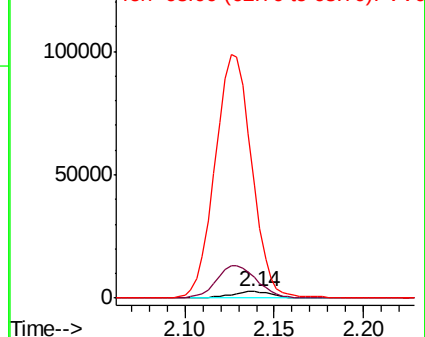
63 1755.2 96.7 179.7#

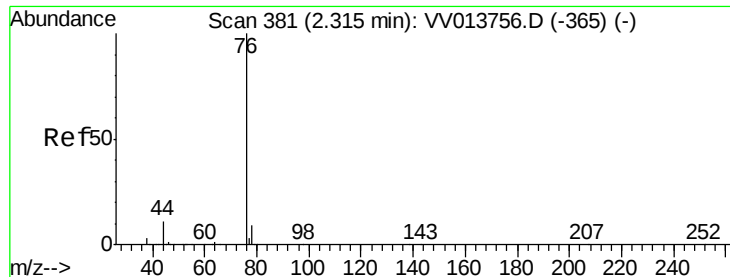


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.399 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013761.D

Acq: 25 Nov 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

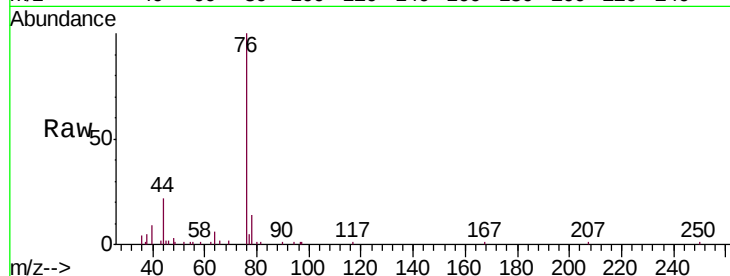
B0AC5DL

Tgt Ion: 76 Resp: 16570

Ion Ratio Lower Upper

76 100

78 13.9 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

12000

10000

8000

6000

4000

2000

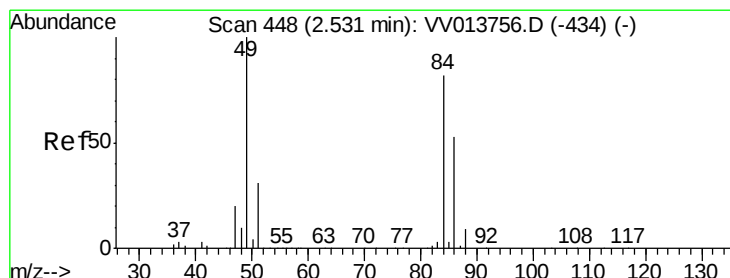
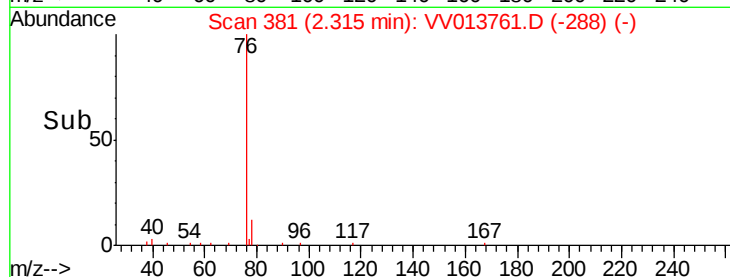
0

Time-->

2.25

2.30

2.35



#16

Methylene chloride

Concen: 0.196 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013761.D

Acq: 25 Nov 2019 13:23

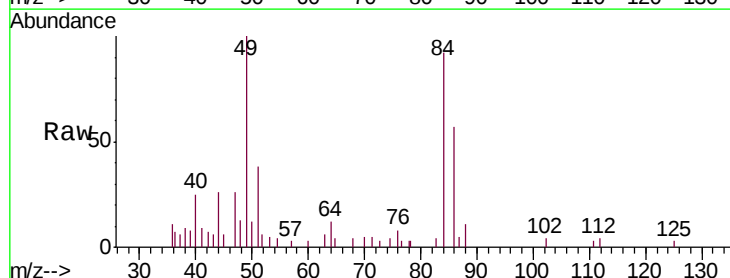
Tgt Ion: 84 Resp: 4821

Ion Ratio Lower Upper

84 100

86 61.6 44.0 81.6

49 108.8 81.5 151.5



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

4000

3000

2000

1000

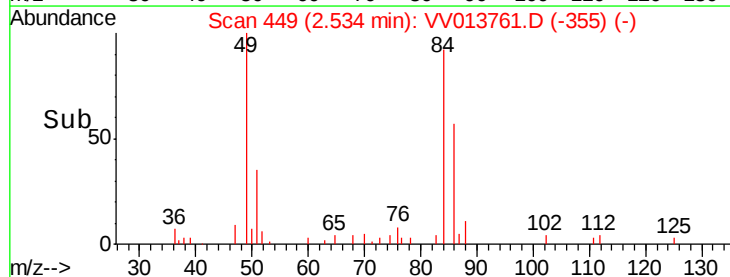
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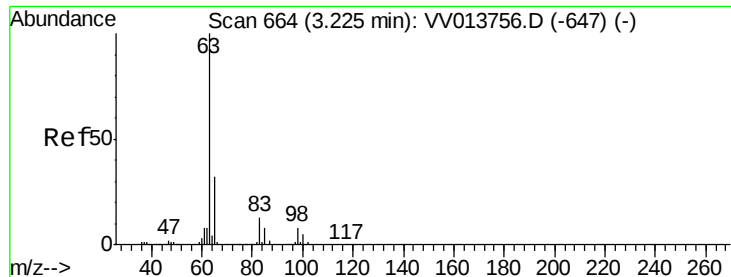
Time-->

2.50

2.55

2.60

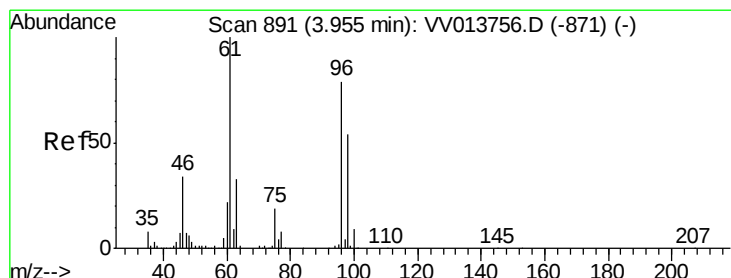
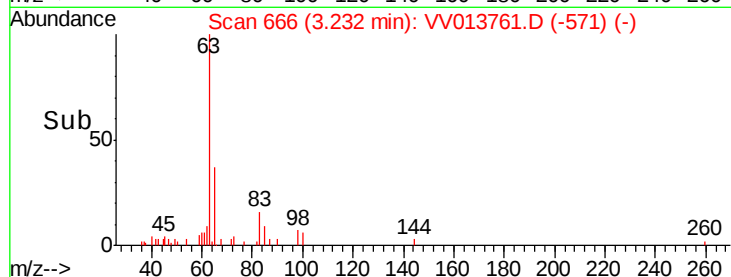
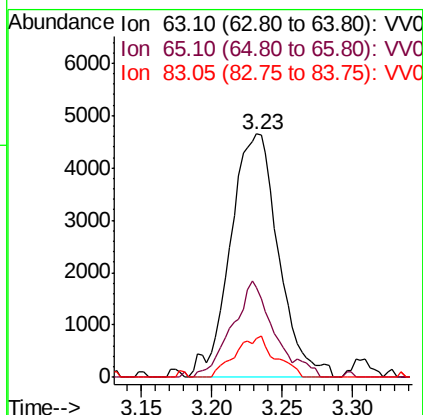
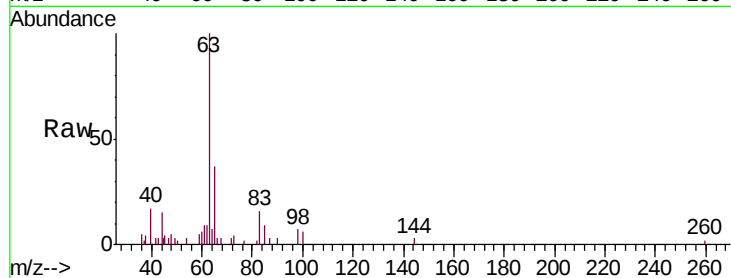




#19
 1,1-Dichloroethane
 Concen: 0.273 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV013761.D
 Acq: 25 Nov 2019 13:23

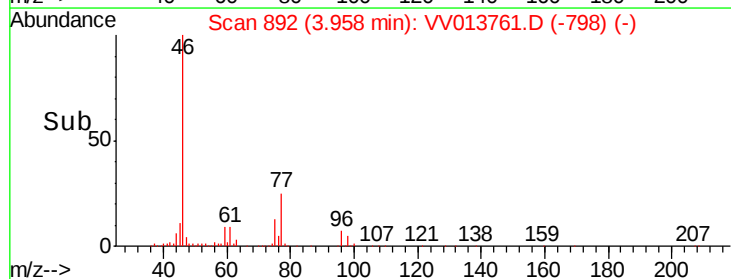
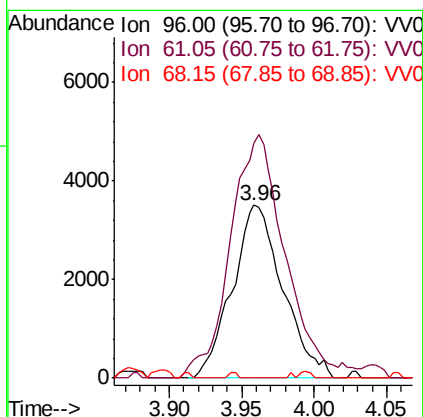
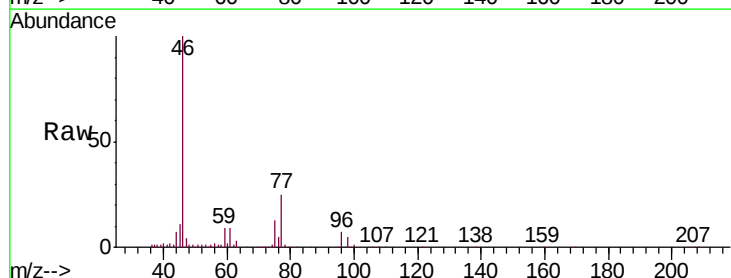
Instrument :
 MSVOA_V
 ClientSampleId :
 B0AC5DL

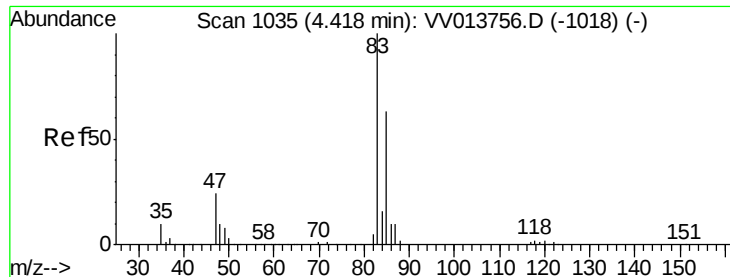
Tgt Ion: 63 Resp: 11068
 Ion Ratio Lower Upper
 63 100
 65 37.2 22.7 42.1
 83 16.0 9.2 17.2



#22
 cis-1,2-Dichloroethene
 Concen: 0.358 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013761.D
 Acq: 25 Nov 2019 13:23

Tgt Ion: 96 Resp: 8517
 Ion Ratio Lower Upper
 96 100
 61 135.5 86.1 159.9
 68 0.0 0.0 0.0

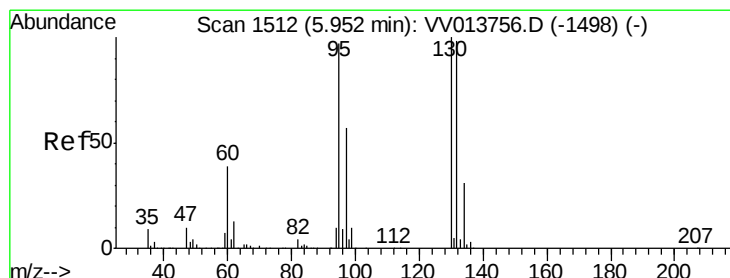
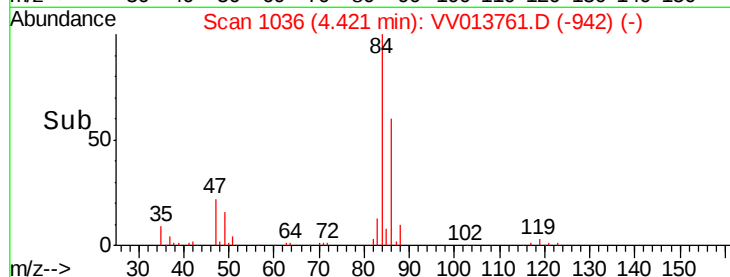
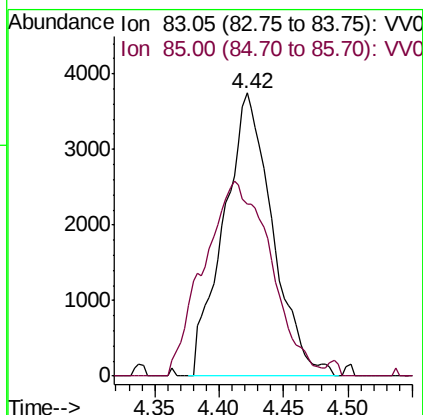
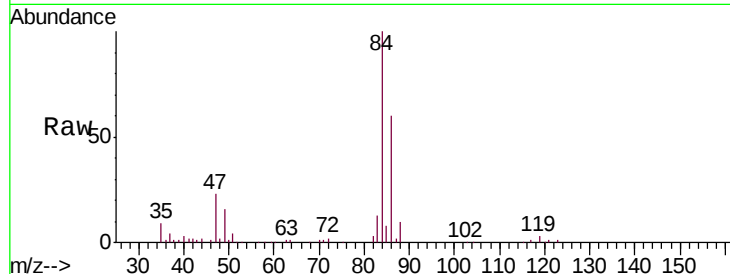




#25
Chloroform
Concen: 0.230 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013761.D
Acq: 25 Nov 2019 13:23

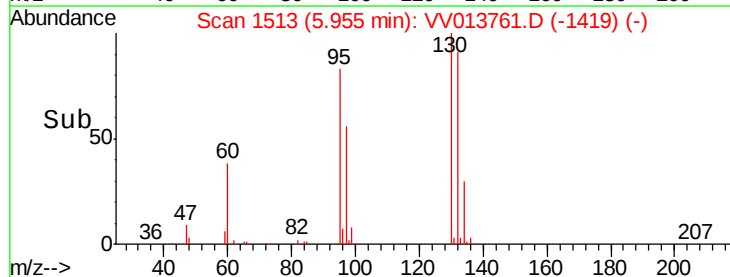
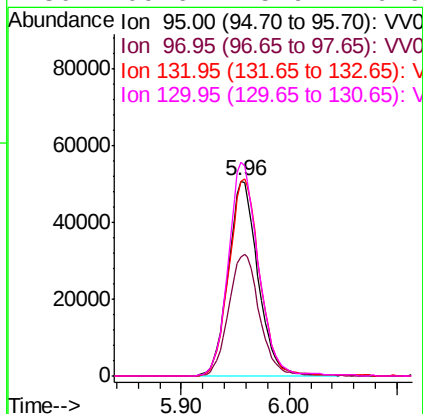
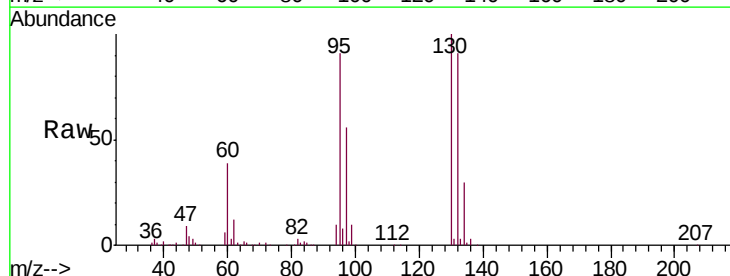
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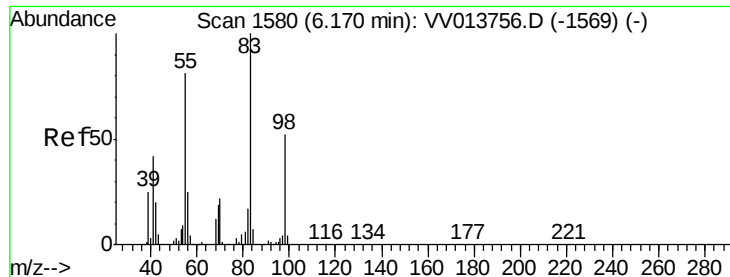
Tgt Ion: 83 Resp: 9893
Ion Ratio Lower Upper
83 100
85 60.6 45.1 83.7



#34
Trichloroethene
Concen: 3.843 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013761.D
Acq: 25 Nov 2019 13:23

Tgt Ion: 95 Resp: 97691
Ion Ratio Lower Upper
95 100
97 61.2 45.6 84.8
132 99.5 70.5 130.9
130 109.6 75.9 140.9





#35

Methylcyclohexane

Concen: 0.999 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013761.D

Acq: 25 Nov 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

B0AC5DL

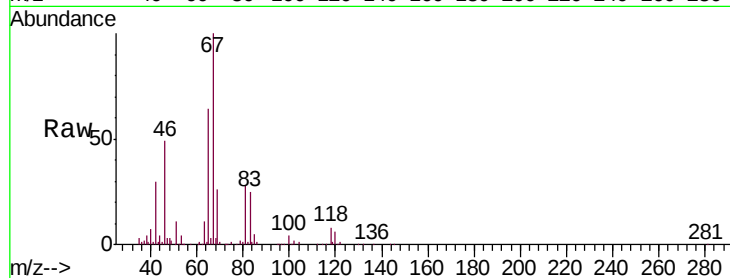
Tgt Ion: 83 Resp: 33886

Ion Ratio Lower Upper

83 100

55 0.7 60.3 90.5#

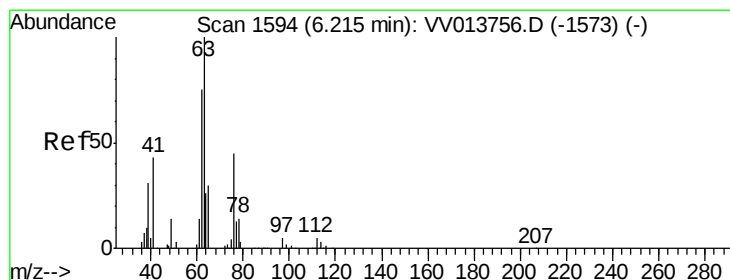
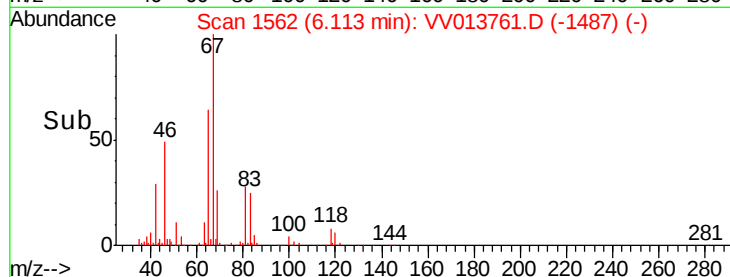
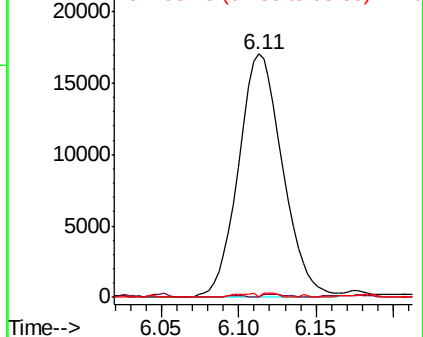
98 0.6 38.1 57.1#



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: 0.636 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013761.D

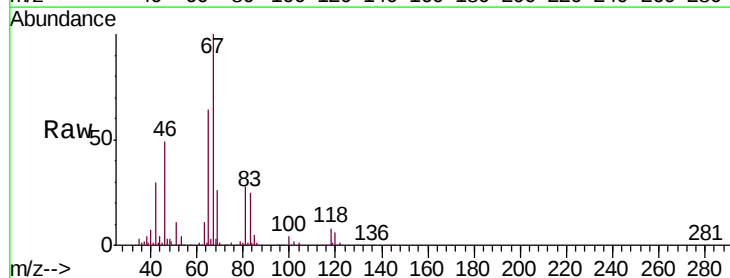
Acq: 25 Nov 2019 13:23

Tgt Ion: 63 Resp: 15076

Ion Ratio Lower Upper

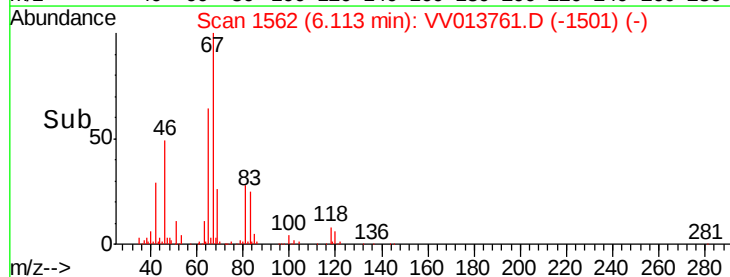
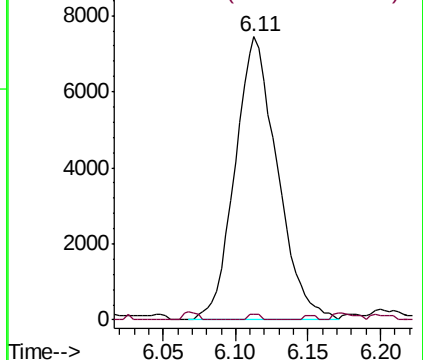
63 100

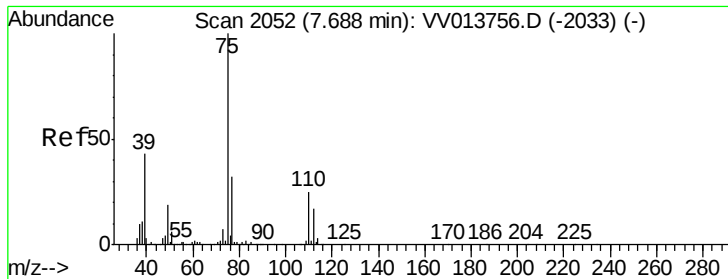
112 0.6 4.4 6.6#



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: 0.079 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013761.D

Acq: 25 Nov 2019 13:23

Instrument :

MSVOA_V

ClientSampleId :

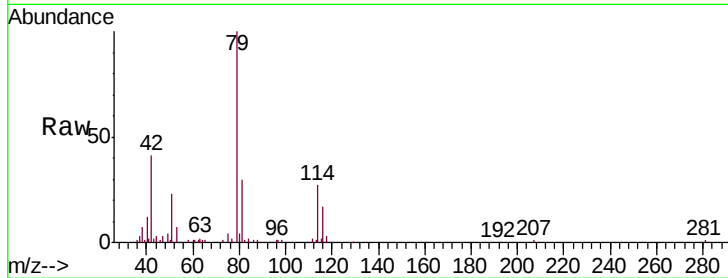
B0AC5DL

Tgt Ion: 75 Resp: 2089

Ion Ratio Lower Upper

75 100

77 40.1 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.66

1200

1000

800

600

400

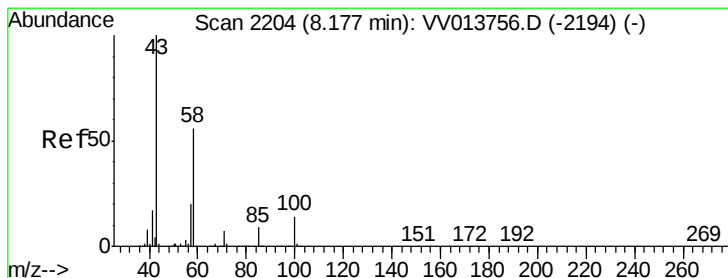
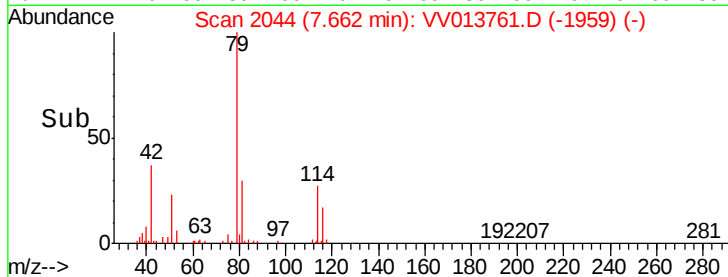
200

0

7.65

7.70

Time-->



#48

2-Hexanone

Concen: 2.652 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.04 min

Lab File: VV013761.D

Acq: 25 Nov 2019 13:23

Tgt Ion: 43 Resp: 26159

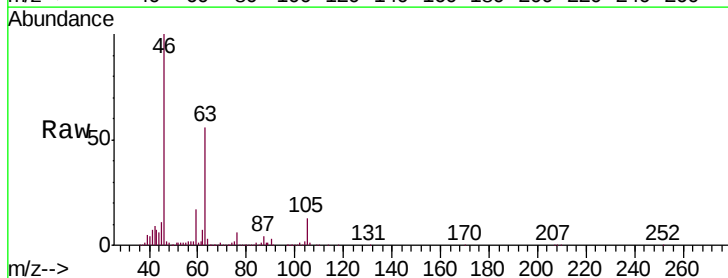
Ion Ratio Lower Upper

43 100

58 41.4 43.2 64.8#

57 37.0 15.4 23.2#

100 4.0 10.4 15.6#



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

20000

15000

10000

5000

0

8.05

8.10

8.15

Time-->

