

Data File : VV013439.D
Acq On : 30 Oct 2019 18:15
Operator : SY/MD
Sample : K5597-11
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VIBLK45

Quant Time: Oct 31 02:47:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	363766	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	372346	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	221754	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112292	3.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.60%
7) Chloroethane-d5	1.58	69	101745	3.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.20%
11) 1,1-Dichloroethene-d2	2.13	63	150492	2.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.60%#
20) 2-Butanone-d5	3.96	46	429910	54.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.26%
24) Chloroform-d	4.40	84	287511	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.08	65	153754	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.10	84	565885	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.12	67	184817	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.36	98	507746	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.66	79	68078	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.13	63	289945	60.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	141580	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	210588	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.32	62	3780	0.095	ug/L #	1
8) Chloroethane	1.47	64	256820	11.269	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2046	0.070	ug/L #	30
14) Carbon disulfide	2.32	76	6966	0.083	ug/L	97
15) Methyl Acetate	2.55	43	319477	22.197	ug/L #	55
16) Methylene chloride	2.54	84	7595	0.188	ug/L #	66
22) cis-1,2-Dichloroethene	3.97	96	2791	0.075	ug/L #	75
27) 1,2-Dichloroethane	5.14	62	61255	1.541	ug/L #	76
30) Cyclohexane	4.72	56	537099	9.273	ug/L	99
33) Benzene	5.14	78	6789691	48.798	ug/L	100
35) Methylcyclohexane	6.17	83	467871	8.212	ug/L	93
42) Toluene	7.43	91	159210	1.097	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	3870	0.103	ug/L #	48
45) 1,1,2-Trichloroethane	7.83	97	44957	1.920	ug/L #	22
48) 2-Hexanone	8.13	43	50452	3.603	ug/L #	71
52) Ethylbenzene	9.05	91	172341	1.120	ug/L	100
53) m,p-xylene	9.18	106	129389	2.277	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103019\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

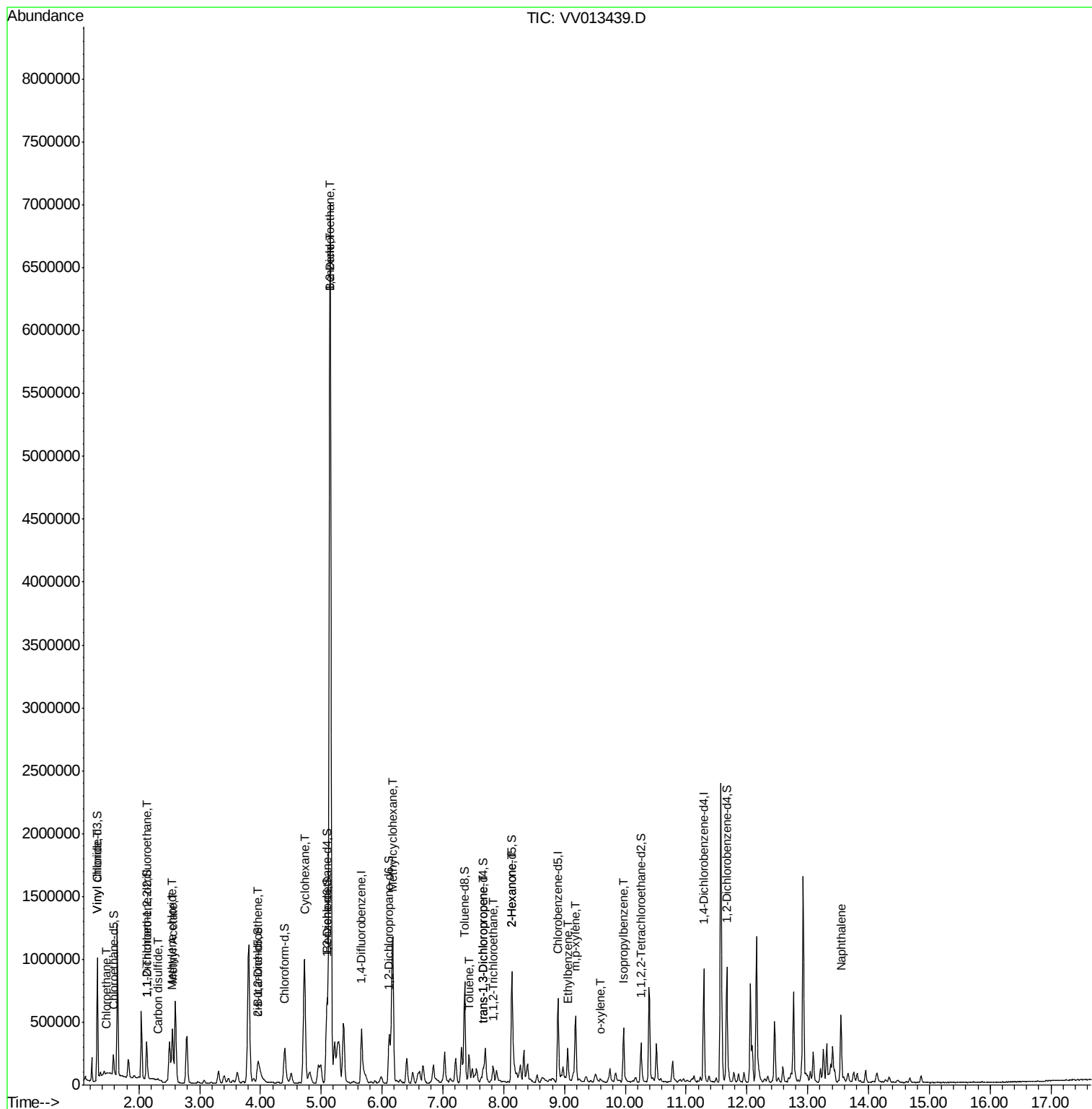
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.58	106	5836	0.106	ug/L	90
56) Isopropylbenzene	9.97	105	262025	1.771	ug/L	99
69) Naphthalene	13.55	128	407978	6.430	ug/L	99

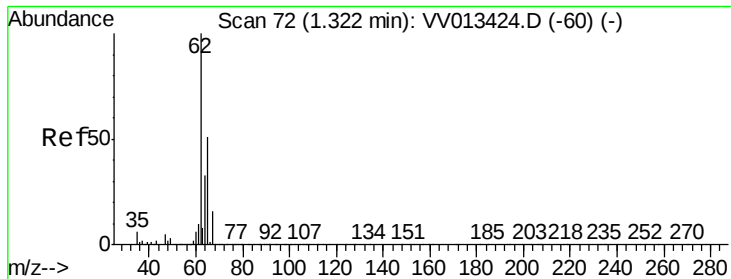
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.095 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013439.D

Acq: 30 Oct 2019 18:15

Instrument :

MSVOA_V

ClientSampleId :

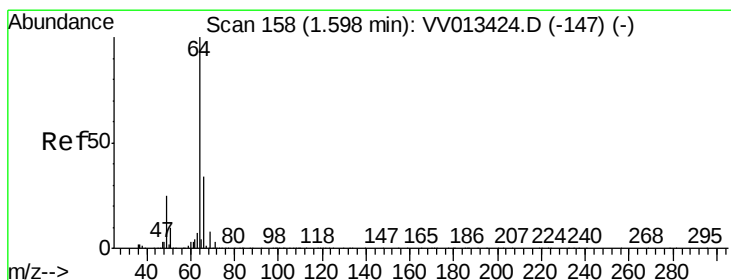
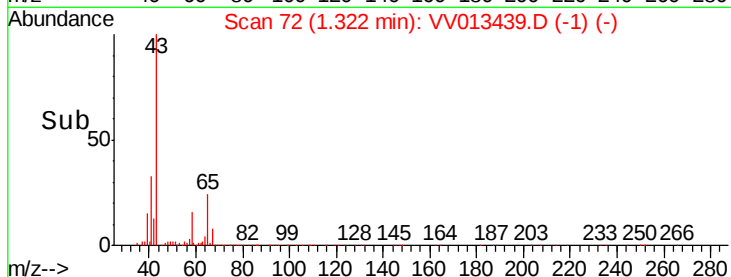
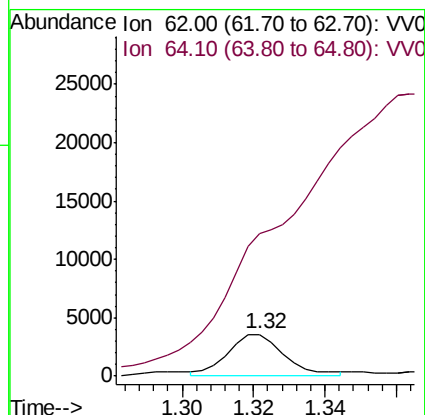
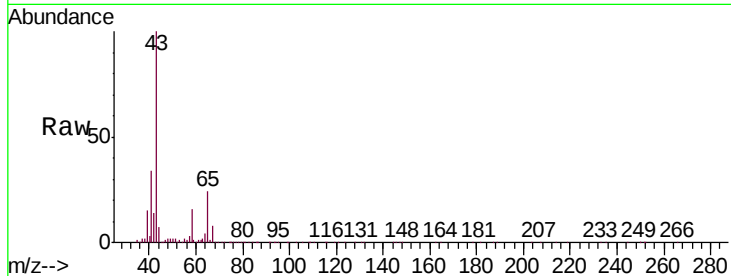
VIBLK45

Tgt Ion: 62 Resp: 3780

Ion Ratio Lower Upper

62 100

64 341.9 23.0 42.6#



#8

Chloroethane

Concen: 11.269 ug/L

RT: 1.47 min Scan# 117

Delta R.T. -0.13 min

Lab File: VV013439.D

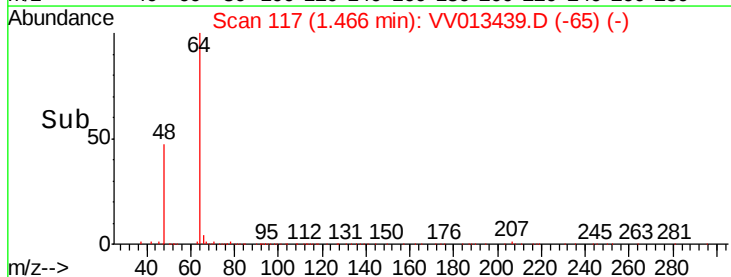
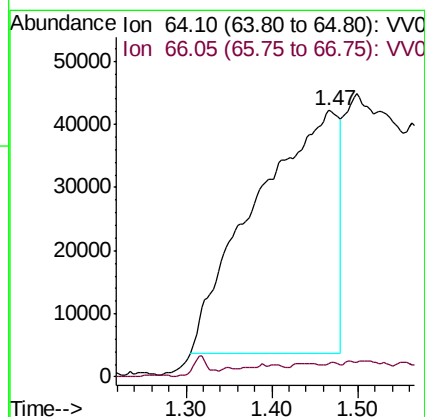
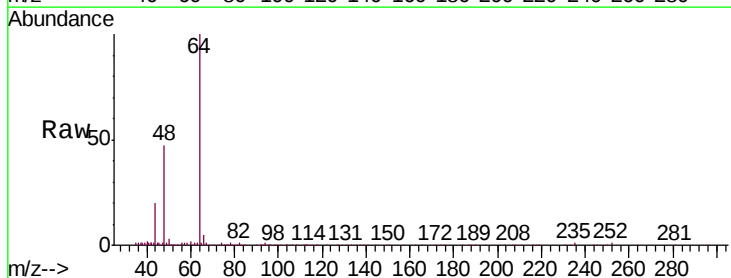
Acq: 30 Oct 2019 18:15

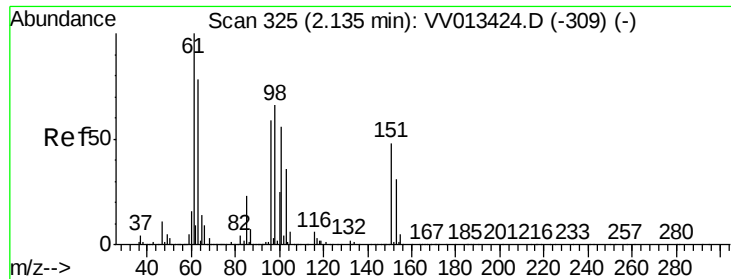
Tgt Ion: 64 Resp: 256820

Ion Ratio Lower Upper

64 100

66 4.8 22.0 41.0#





#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: VV013439.D

Acq: 30 Oct 2019 18:15

Instrument :

MSVOA_V

ClientSampleId :

VIBLK45

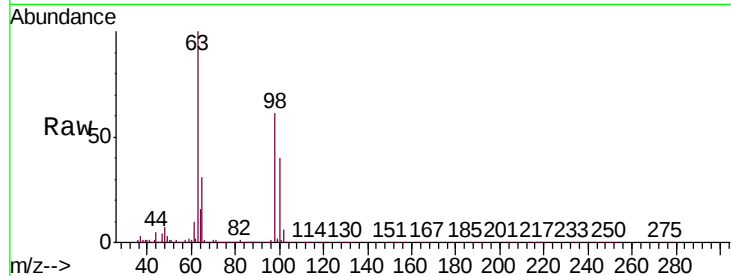
Tgt Ion:101 Resp: 2046

Ion Ratio Lower Upper

101 100

85 8.9 33.0 49.4#

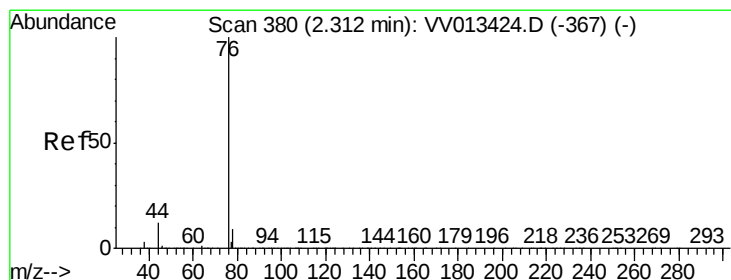
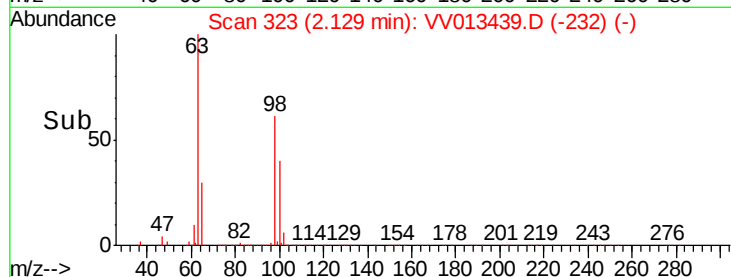
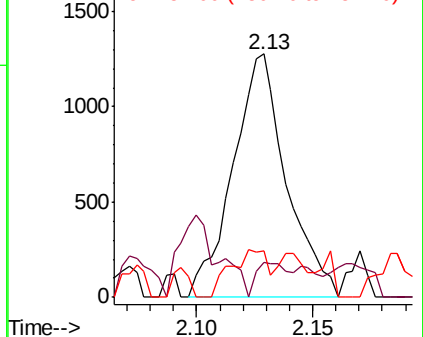
151 13.6 68.2 102.2#



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



#14

Carbon disulfide

Concen: 0.083 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013439.D

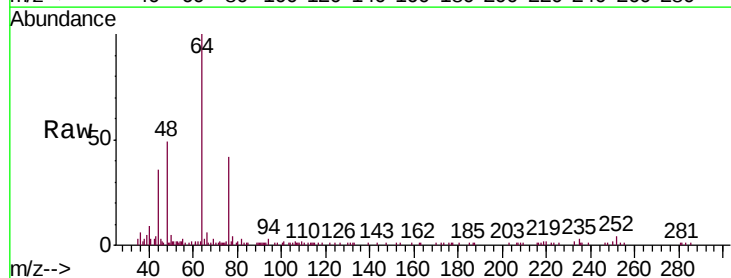
Acq: 30 Oct 2019 18:15

Tgt Ion: 76 Resp: 6966

Ion Ratio Lower Upper

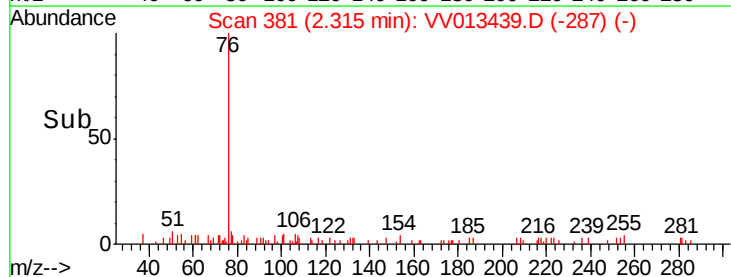
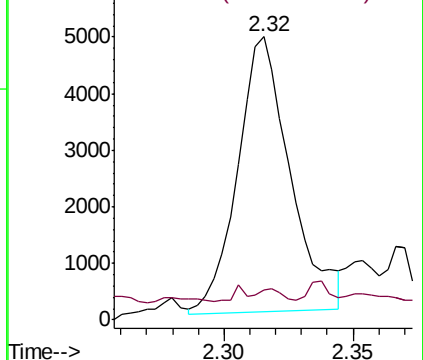
76 100

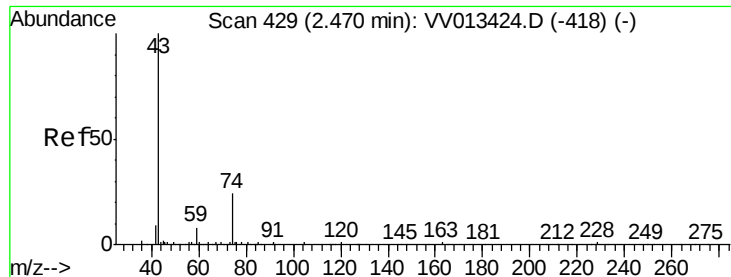
78 10.6 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 22.197 ug/L

RT: 2.55 min Scan# 455

Delta R.T. 0.08 min

Lab File: VV013439.D

Acq: 30 Oct 2019 18:15

Instrument :

MSVOA_V

ClientSampled :

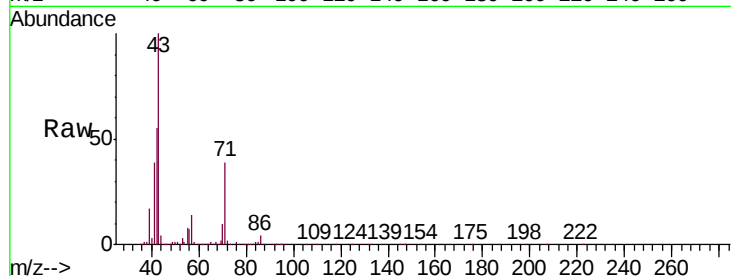
VIBLK45

Tgt Ion: 43 Resp: 319477

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

150000

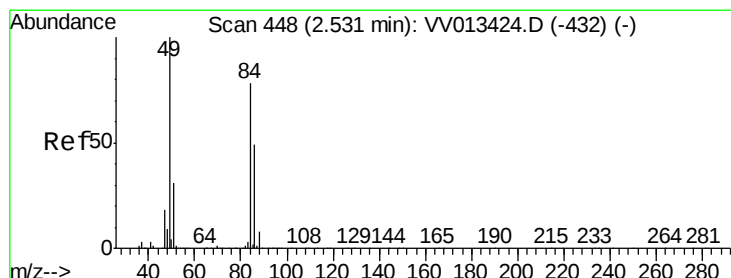
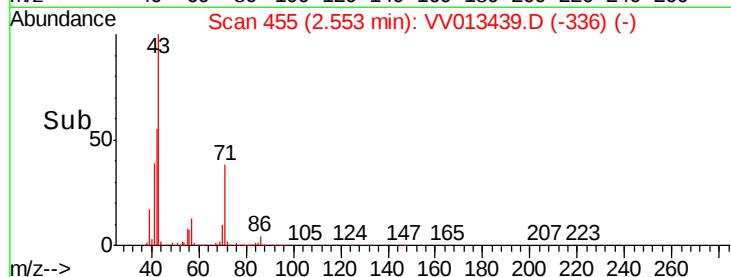
100000

50000

0

2.45 2.50 2.55 2.60

Time-->



#16

Methylene chloride

Concen: 0.188 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV013439.D

Acq: 30 Oct 2019 18:15

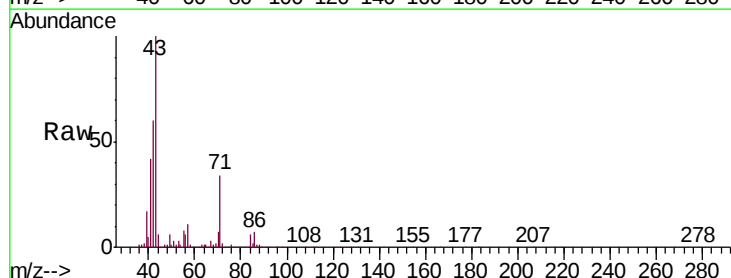
Tgt Ion: 84 Resp: 7595

Ion Ratio Lower Upper

84 100

86 114.8 43.8 81.4#

49 108.2 90.4 168.0



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

8000

6000

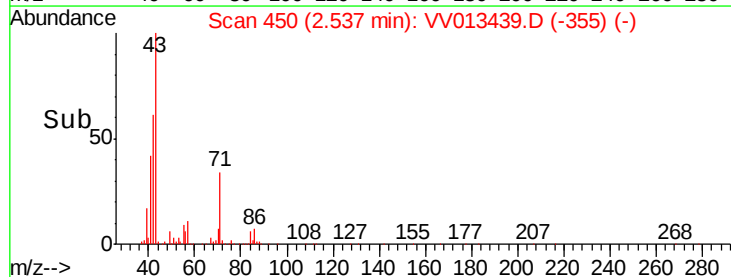
4000

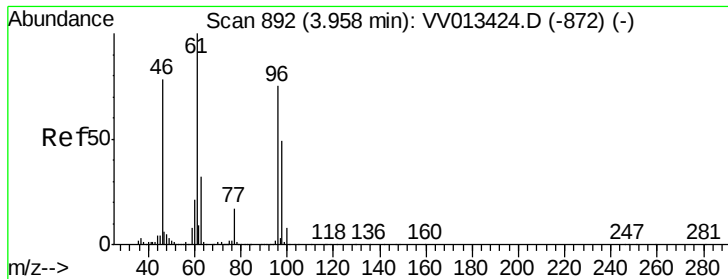
2000

0

2.50 2.55

Time-->



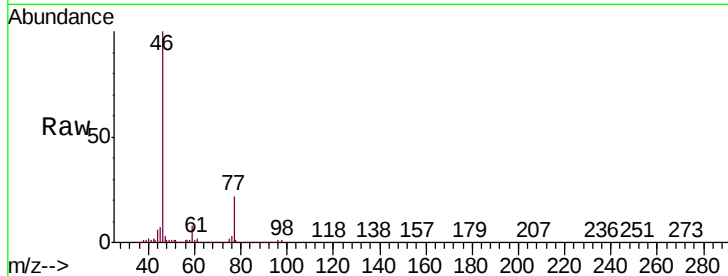


#22

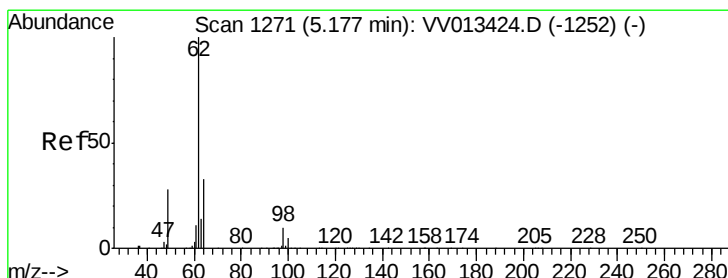
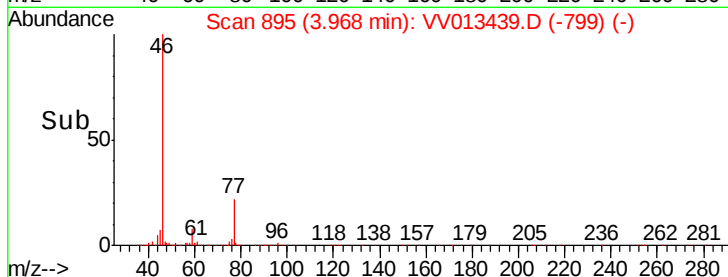
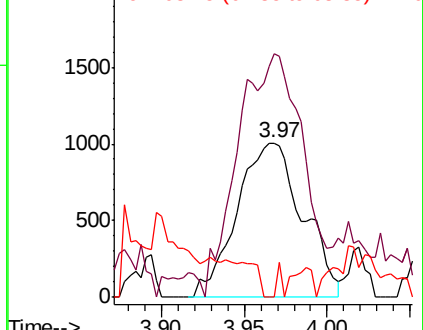
cis-1,2-Dichloroethene
 Concen: 0.075 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV013439.D
 Acq: 30 Oct 2019 18:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK45

Tgt Ion: 96 Resp: 2791
 Ion Ratio Lower Upper
 96 100
 61 157.7 89.9 167.0
 68 0.0 0.1 0.3#



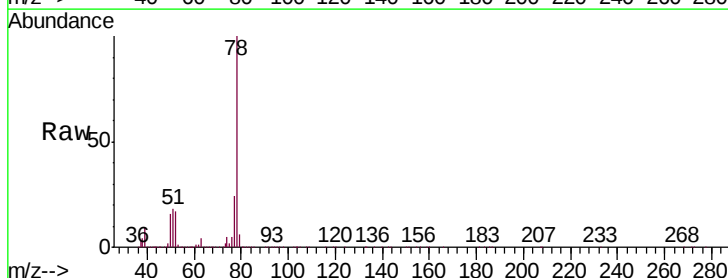
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



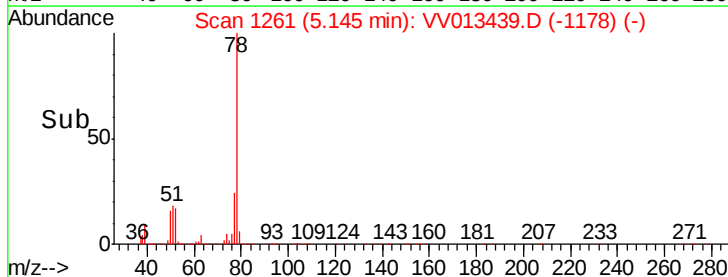
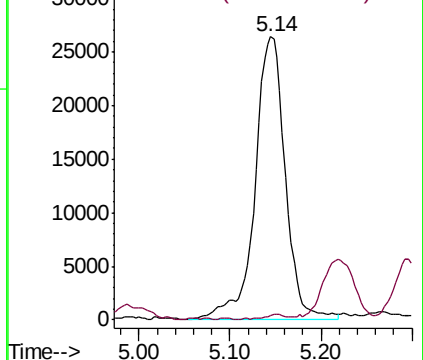
#27

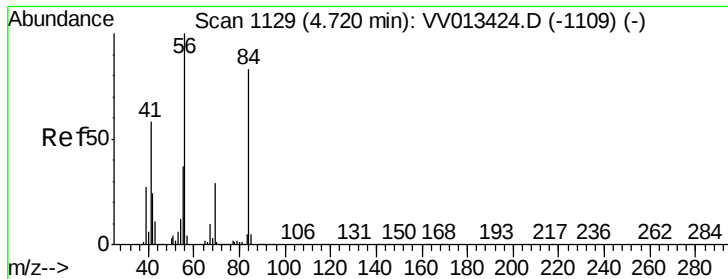
1,2-Dichloroethane
 Concen: 1.541 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. -0.03 min
 Lab File: VV013439.D
 Acq: 30 Oct 2019 18:15

Tgt Ion: 62 Resp: 61255
 Ion Ratio Lower Upper
 62 100
 98 1.6 8.6 12.8#



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

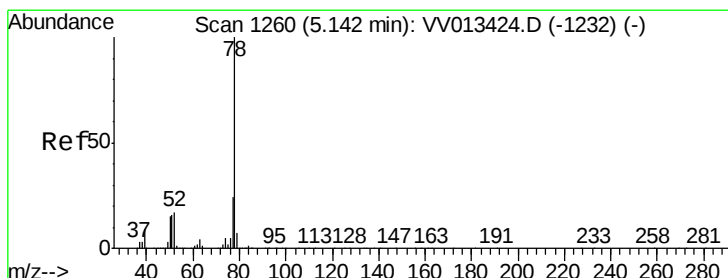
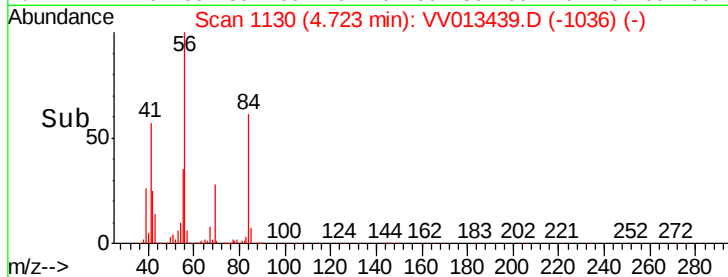
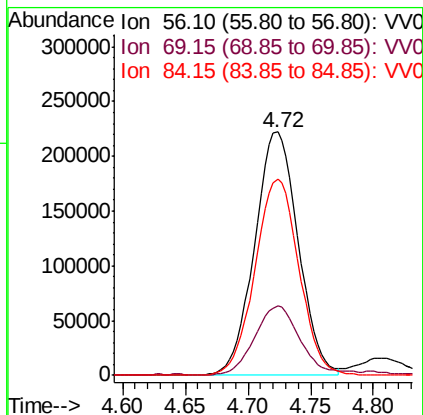
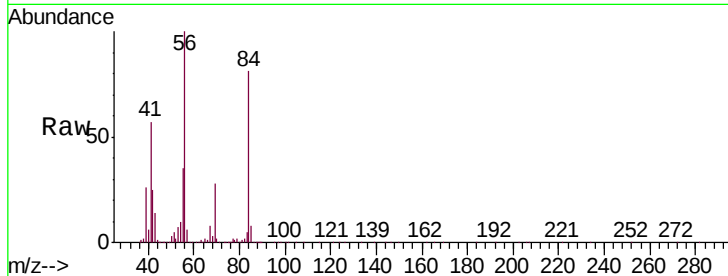




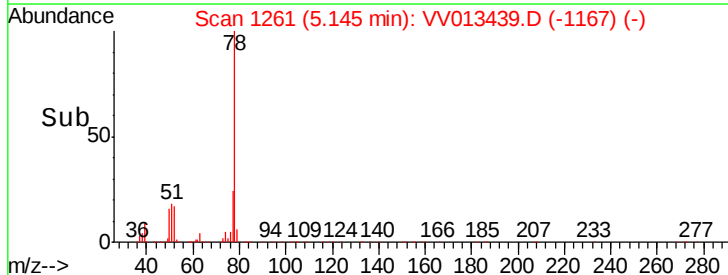
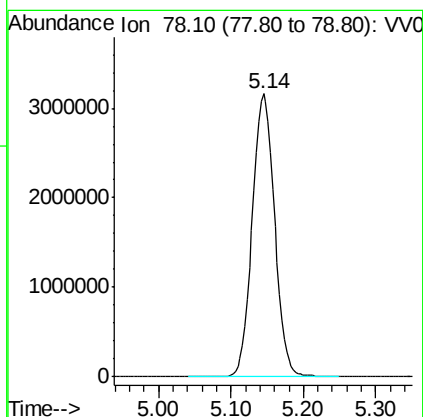
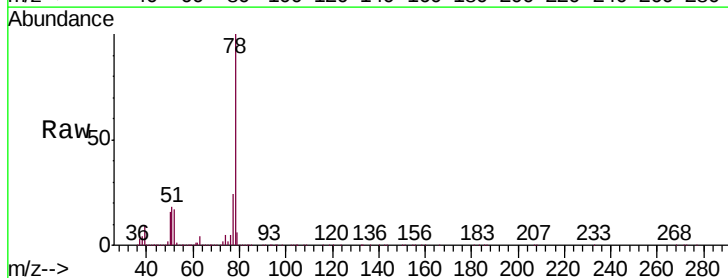
#30
Cyclohexane
Concen: 9.273 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013439.D
Acq: 30 Oct 2019 18:15

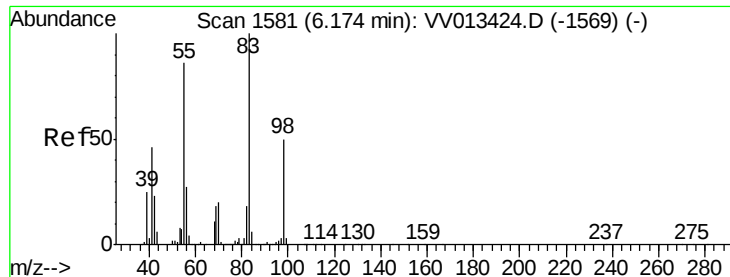
Instrument :
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Tgt Ion: 56 Resp: 537099
Ion Ratio Lower Upper
56 100
69 29.6 22.7 34.1
84 81.5 65.5 98.3



#33
Benzene
Concen: 48.798 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013439.D
Acq: 30 Oct 2019 18:15
Tgt Ion: 78 Resp: 6789691

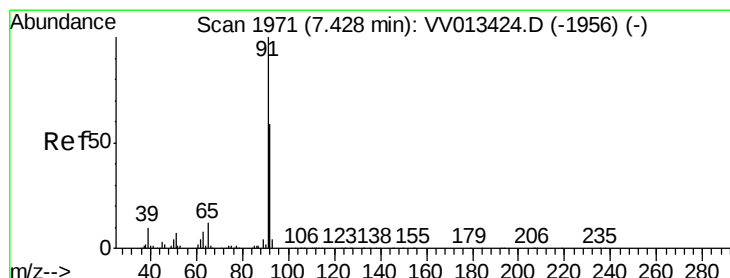
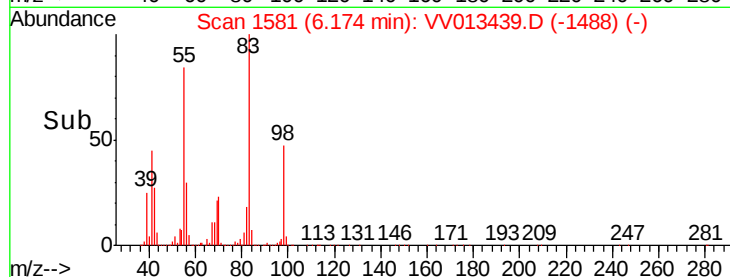
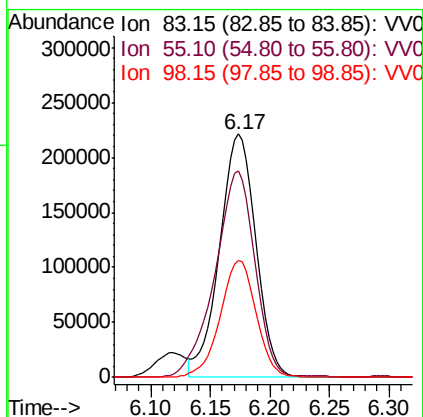
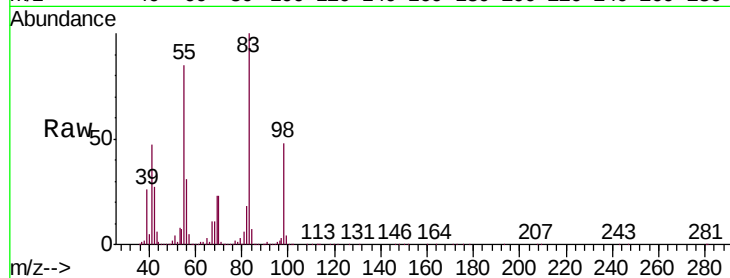




#35
Methylcyclohexane
Concen: 8.212 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV013439.D
Acq: 30 Oct 2019 18:15

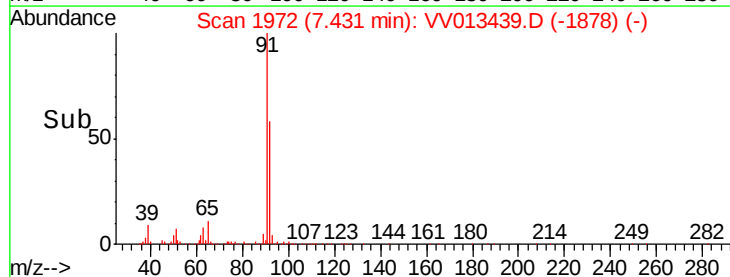
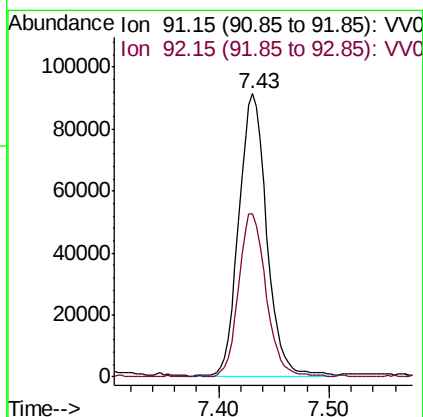
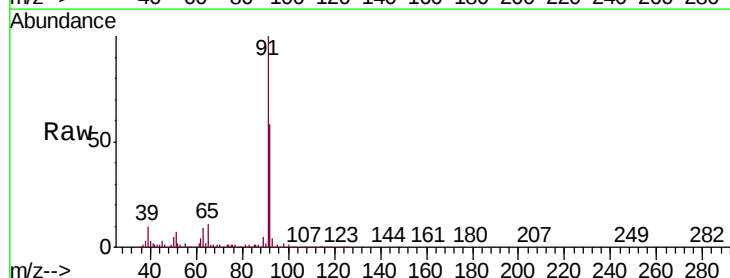
Instrument :
MSVOA_V
ClientSampleId :
VIBLK45

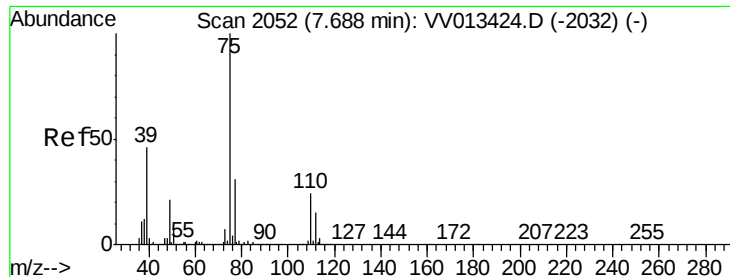
Tgt Ion: 83 Resp: 467871
Ion Ratio Lower Upper
83 100
55 92.7 66.0 99.0
98 47.4 38.2 57.4



#42
Toluene
Concen: 1.097 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV013439.D
Acq: 30 Oct 2019 18:15

Tgt Ion: 91 Resp: 159210
Ion Ratio Lower Upper
91 100
92 57.8 40.3 74.8





#44

trans-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013439.D

Acq: 30 Oct 2019 18:15

Instrument :

MSVOA_V

ClientSampleId :

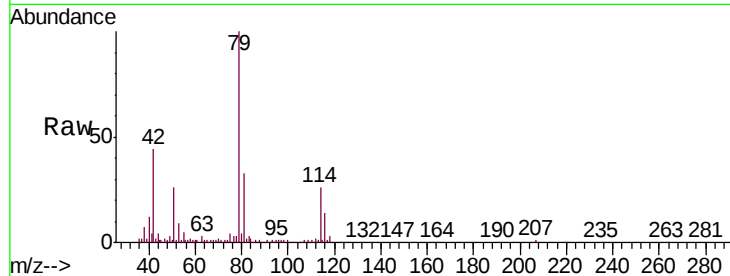
VIBLK45

Tgt Ion: 75 Resp: 3870

Ion Ratio Lower Upper

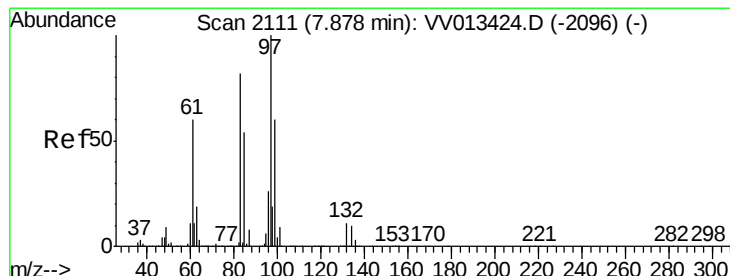
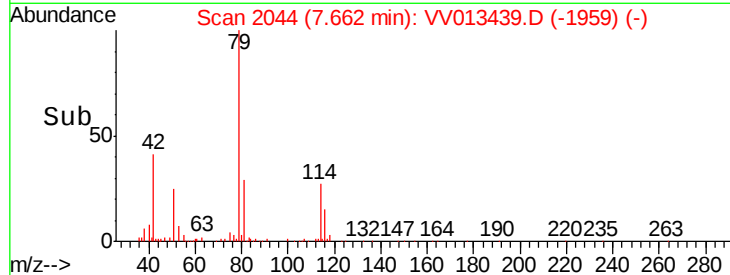
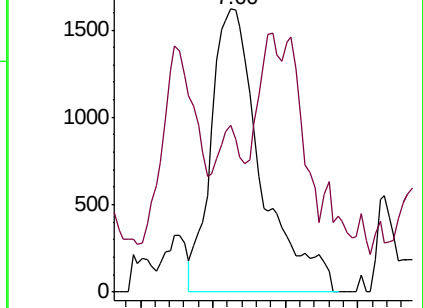
75 100

77 59.0 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#45

1,1,2-Trichloroethane

Concen: 1.920 ug/L

RT: 7.83 min Scan# 2095

Delta R.T. -0.05 min

Lab File: VV013439.D

Acq: 30 Oct 2019 18:15

Tgt Ion: 97 Resp: 44957

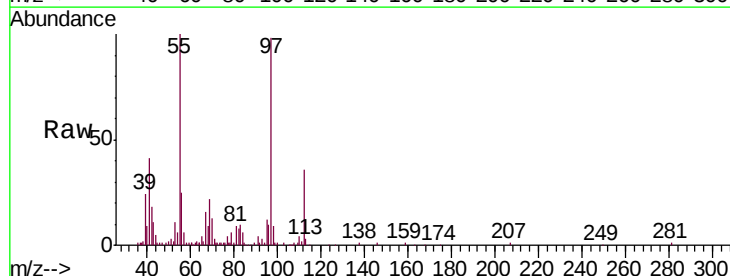
Ion Ratio Lower Upper

97 100

99 0.7 41.6 77.3#

83 9.8 58.7 109.1#

85 1.7 37.5 69.7#

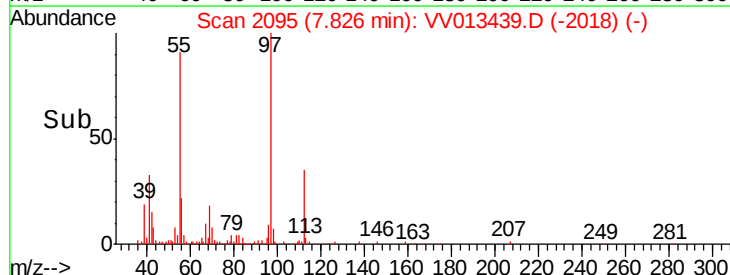
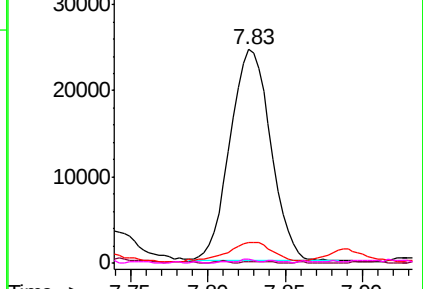


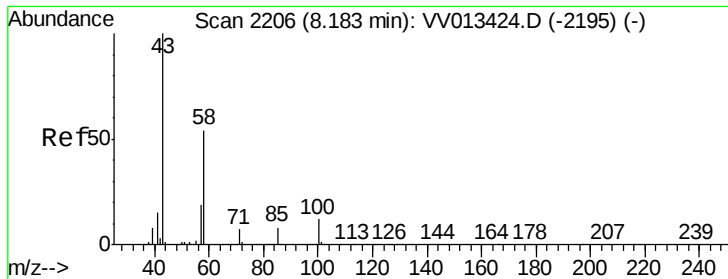
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

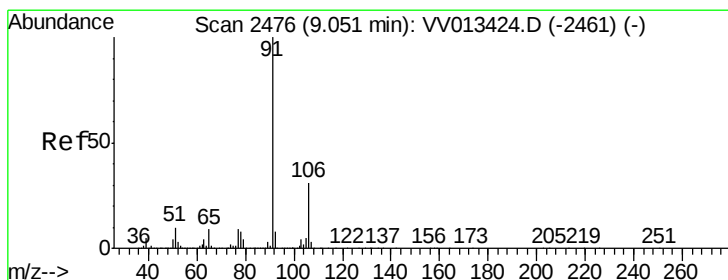
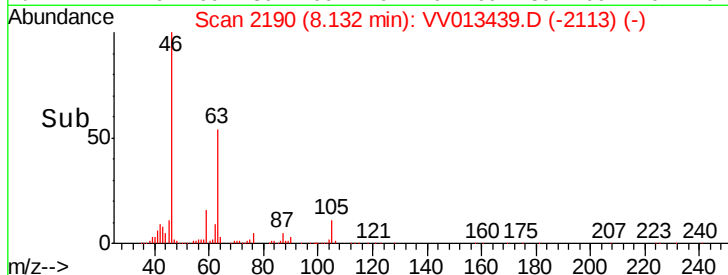
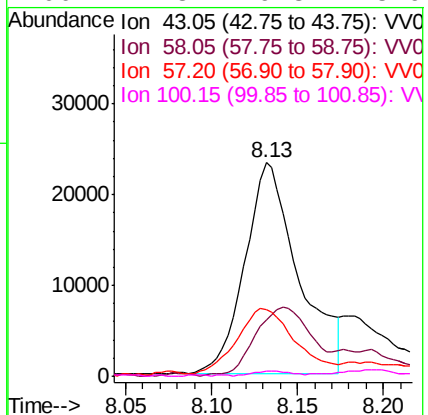
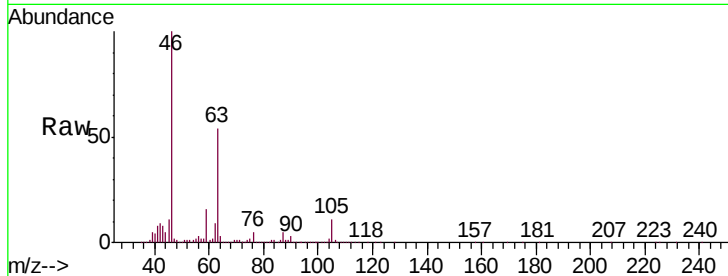




#48
2-Hexanone
Concen: 3.603 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV013439.D
Acq: 30 Oct 2019 18:15

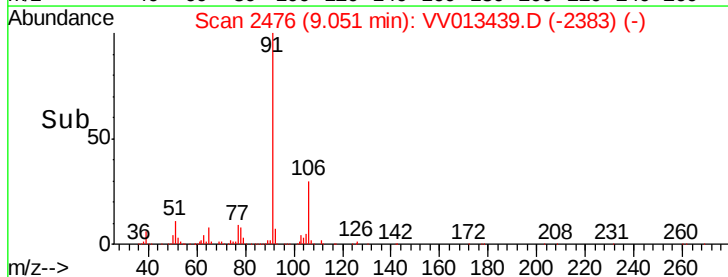
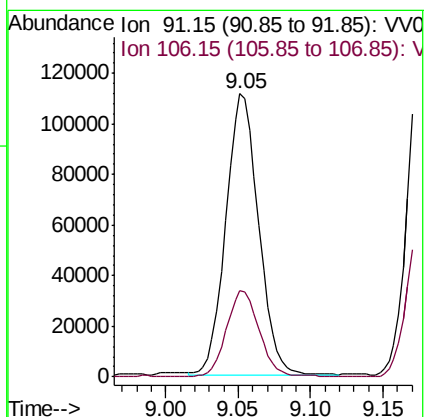
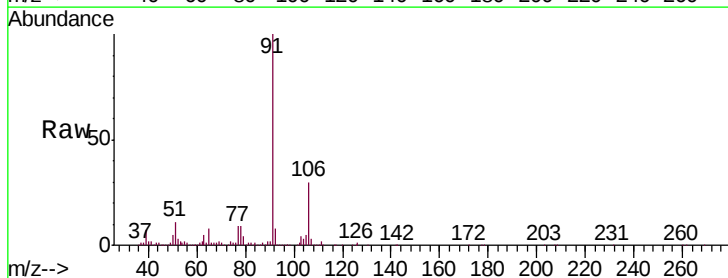
Instrument :
MSVOA_V
ClientSampleId :
VIBLK45

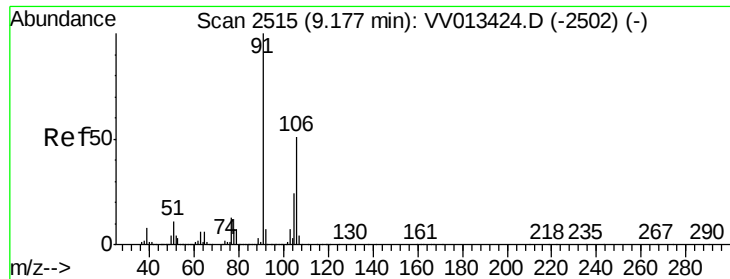
Tgt Ion: 43 Resp: 50452
Ion Ratio Lower Upper
43 100
58 34.5 43.5 65.3#
57 33.4 14.3 21.5#
100 1.8 9.3 13.9#



#52
Ethylbenzene
Concen: 1.120 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV013439.D
Acq: 30 Oct 2019 18:15

Tgt Ion: 91 Resp: 172341
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9





#53

m,p-xylene

Concen: 2.277 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013439.D

Acq: 30 Oct 2019 18:15

Instrument :

MSVOA_V

ClientSampleId :

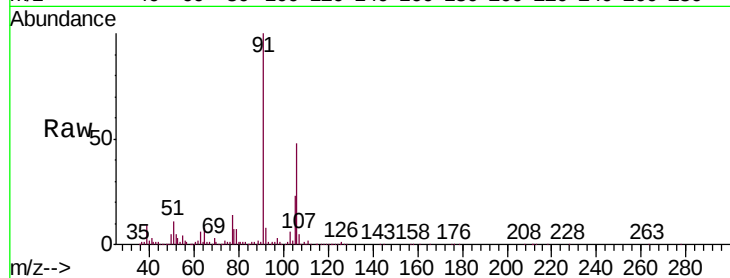
VIBLK45

Tgt Ion:106 Resp: 129389

Ion Ratio Lower Upper

106 100

91 206.6 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

200000

150000

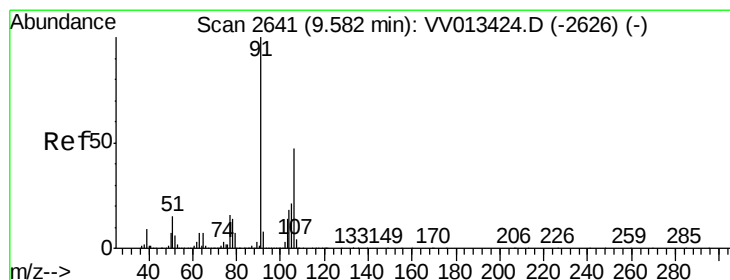
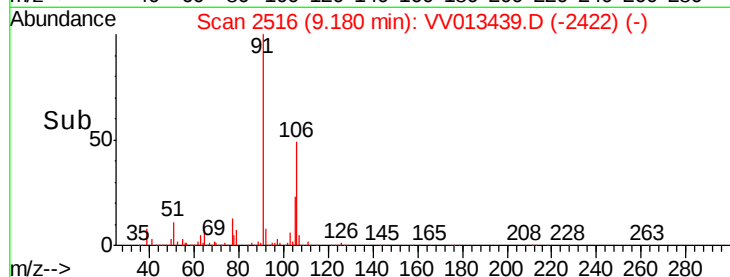
100000

50000

0

9.18

Time-->



#54

o-xylene

Concen: 0.106 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013439.D

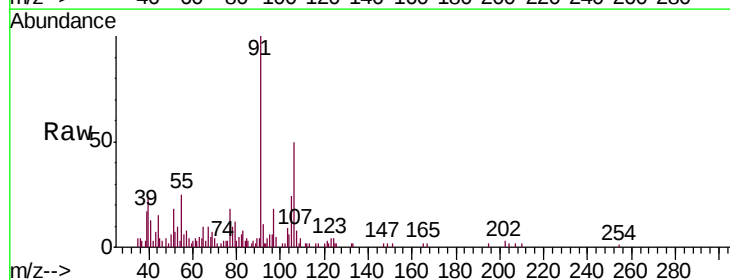
Acq: 30 Oct 2019 18:15

Tgt Ion:106 Resp: 5836

Ion Ratio Lower Upper

106 100

91 199.9 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

8000

6000

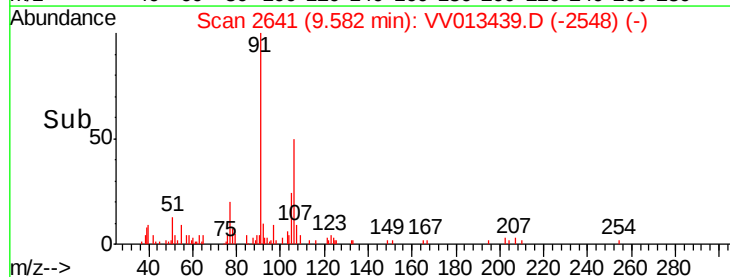
4000

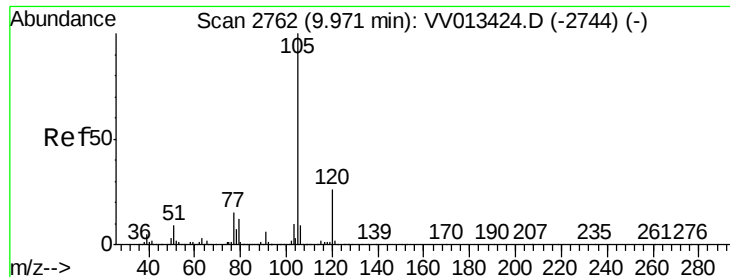
2000

0

9.58

Time-->





#56

Isopropylbenzene

Concen: 1.771 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013439.D

Acq: 30 Oct 2019 18:15

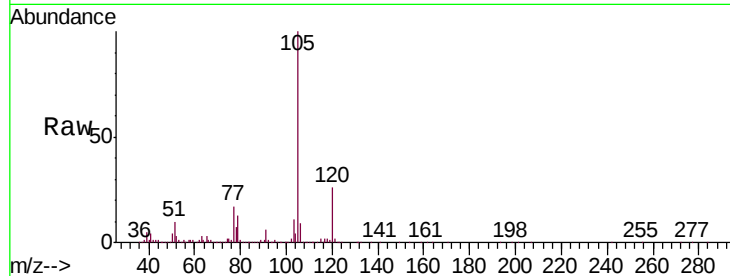
Instrument :

MSVOA_V

ClientSampleId :

VIBLK45

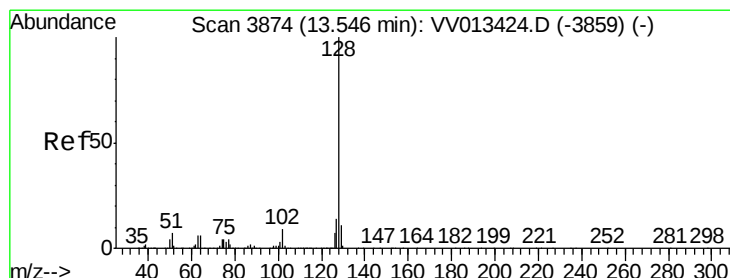
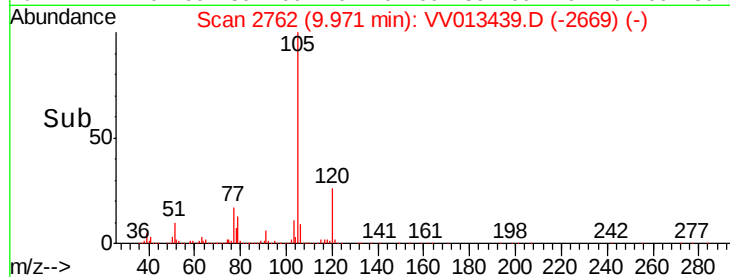
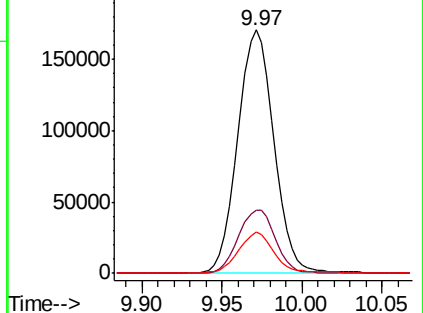
Tgt Ion:	105	Resp:	262025
Ion Ratio		Lower	Upper
105	100		
120	27.0	21.0	31.6
77	16.5	12.9	19.3



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): V



#69

Naphthalene

Concen: 6.430 ug/L

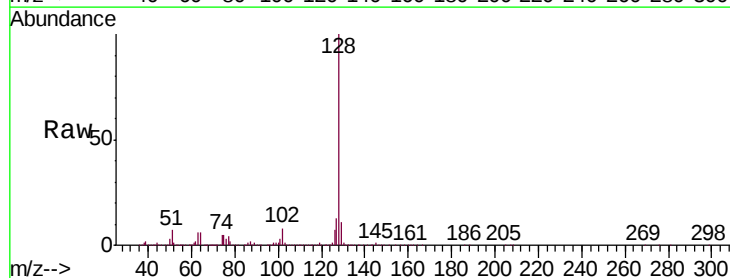
RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013439.D

Acq: 30 Oct 2019 18:15

Tgt Ion:	128	Resp:	407978
Ion Ratio		Lower	Upper
128	100		
129	11.4	8.7	13.1
127	12.9	10.6	16.0



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

