

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017971.D
 Acq On : 13 Aug 2020 15:00
 Operator : SY/MD
 Sample : L3644-16DL 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L98DL

Quant Time: Aug 14 04:17:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 04:14:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	258797	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	261665	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	126887	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85304	43.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.40%
7) Chloroethane-d5	1.58	69	74323	46.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.02%
11) 1,1-Dichloroethene-d2	2.12	63	128904	34.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.26%
21) 2-Butanone-d5	3.91	46	138722	107.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.26%
24) Chloroform-d	4.38	84	167759	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.34%
26) 1,2-Dichloroethane-d4	5.06	65	113812	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.50%
32) Benzene-d6	5.08	84	331996	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
36) 1,2-Dichloropropane-d6	6.09	67	110598	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.82%
41) Toluene-d8	7.34	98	299964	46.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.50%
43) trans-1,3-Dichloropropene-	7.64	79	44867	41.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.92%
47) 2-Hexanone-d5	8.11	63	78842	104.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.21%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	148307	48.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	123684	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%

Target Compounds

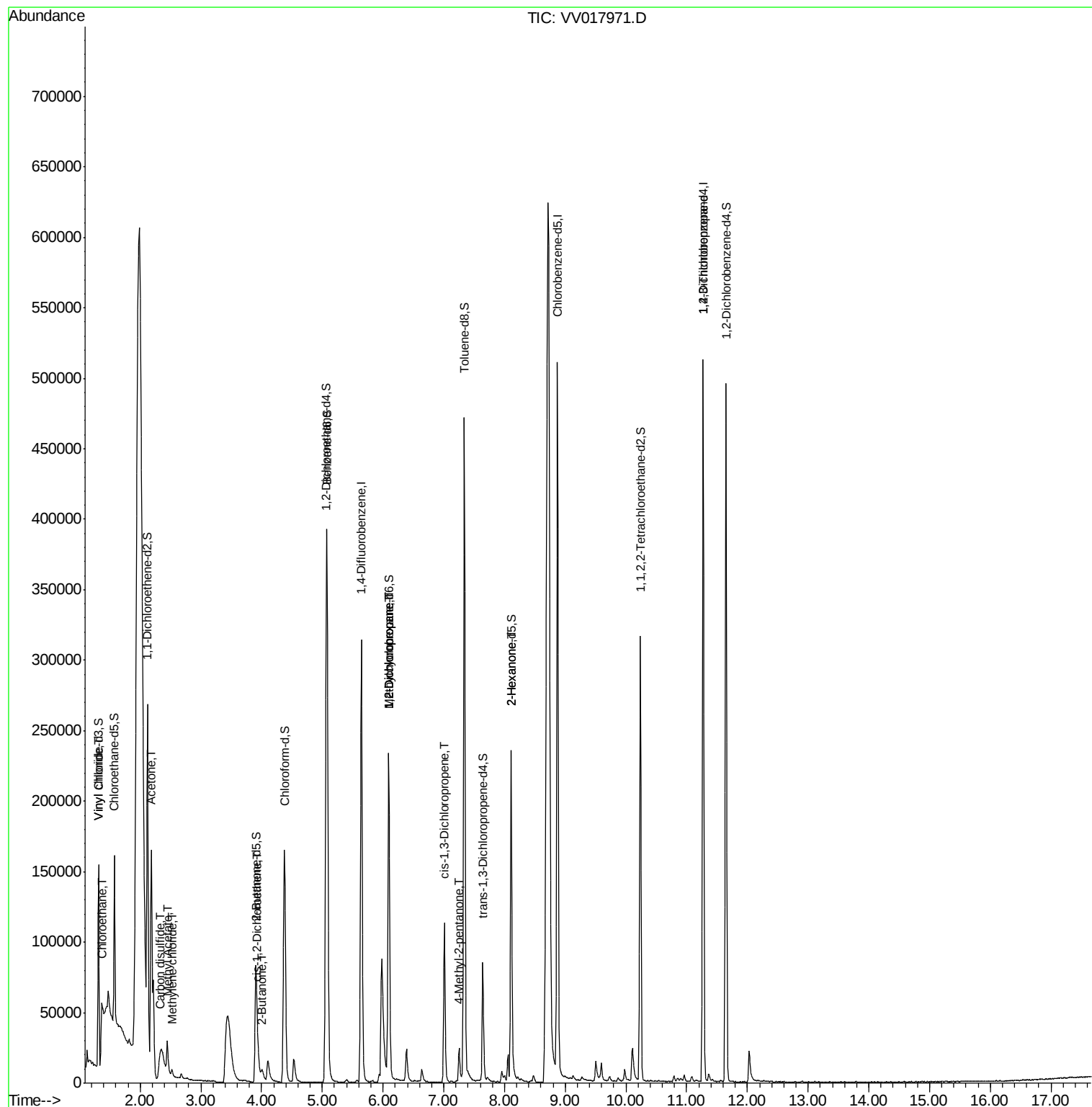
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1859	0.808	ug/L #	1
8) Chloroethane	1.37	64	71778	48.904	ug/L #	51
13) Acetone	2.18	43	186889	139.907	ug/L	98
14) Carbon disulfide	2.32	76	4586	0.960	ug/L	99
15) Methyl Acetate	2.45	43	25076	11.632	ug/L	98
16) Methylene chloride	2.52	84	1591	0.719	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	1290	0.658	ug/L	91
22) 2-Butanone	4.00	43	12512	8.349	ug/L #	72
35) Methylcyclohexane	6.09	83	26265	8.254	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	12180	5.517	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2623	0.838	ug/L #	68
40) 4-Methyl-2-pentanone	7.25	43	15910	5.513	ug/L	99
48) 2-Hexanone	8.11	43	8650	3.717	ug/L #	69
59) 1,2,3-Trichloropropane	11.27	75	15040	5.516	ug/L	90

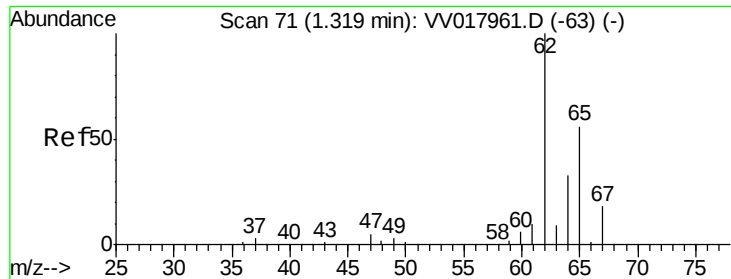
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 14 04:14:46 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.808 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017971.D

Acq: 13 Aug 2020 15:00

Instrument :

MSVOA_V

ClientSampleID :

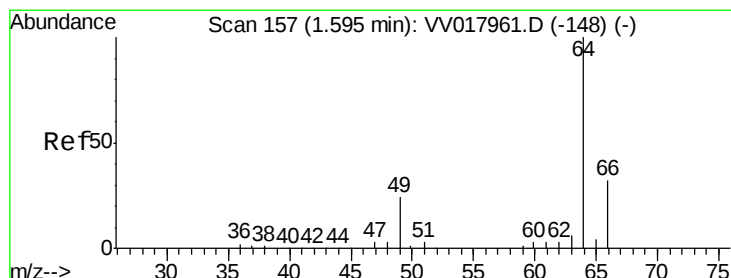
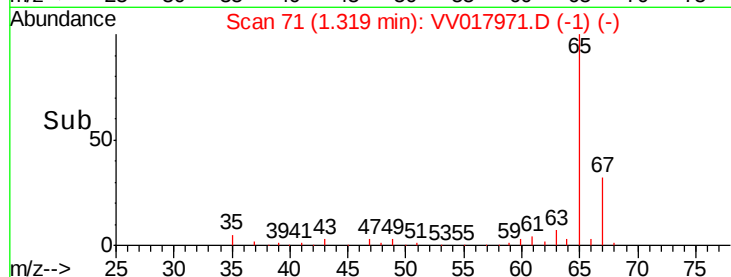
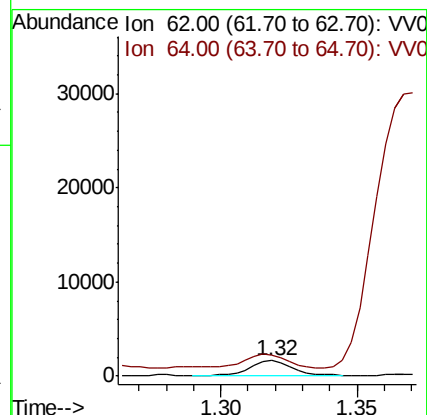
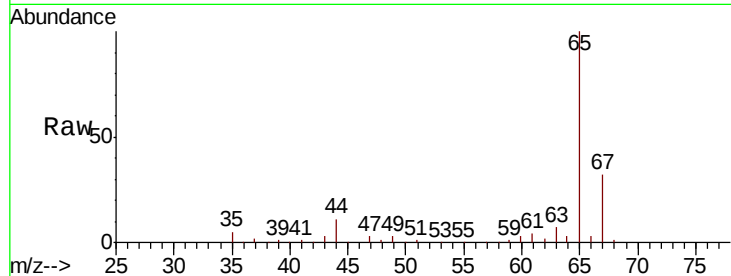
F2L98DL

Tot Ion: 62 Resp: 1859

Ion Ratio Lower Upper

62 100

64 138.0 22.4 41.6#



#8

Chloroethane

Concen: 48.904 ug/L

RT: 1.37 min Scan# 87

Delta R.T. -0.22 min

Lab File: VV017971.D

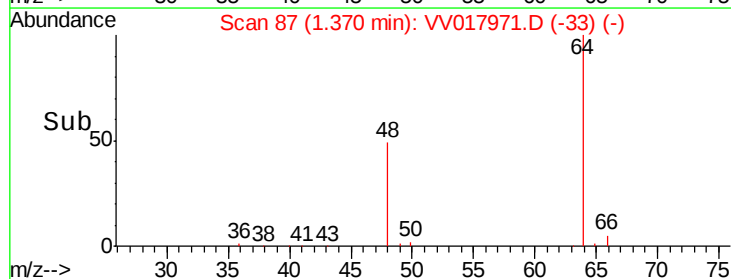
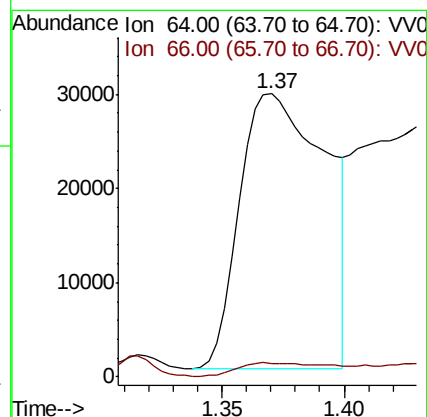
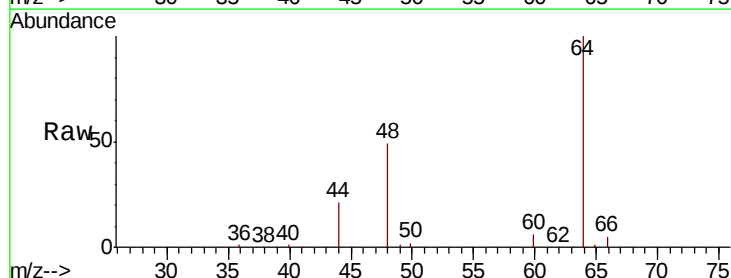
Acq: 13 Aug 2020 15:00

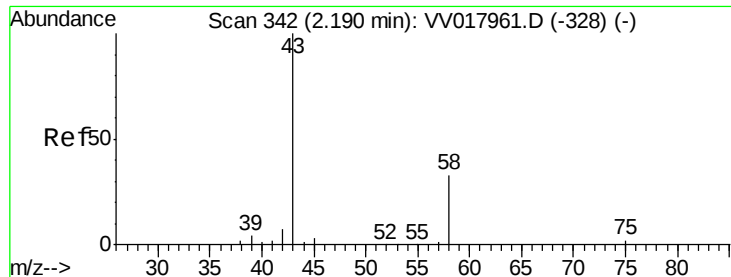
Tgt Ion: 64 Resp: 71778

Ion Ratio Lower Upper

64 100

66 4.8 22.3 41.3#





#13

Acetone

Concen: 139.907 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV017971.D

Acq: 13 Aug 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

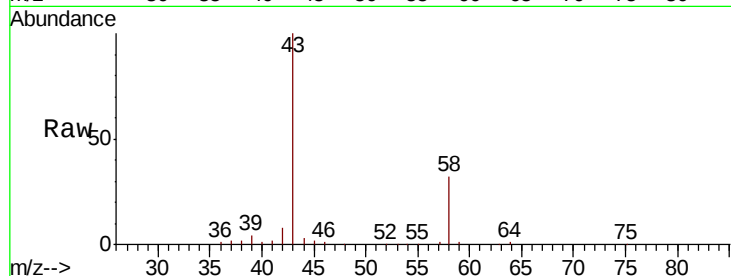
F2L98DL

Tot Ion: 43 Resp: 186889

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV017961.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV017961.D (-328) (-)

120000

100000

80000

60000

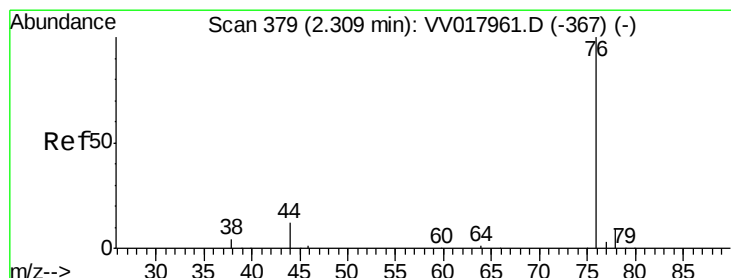
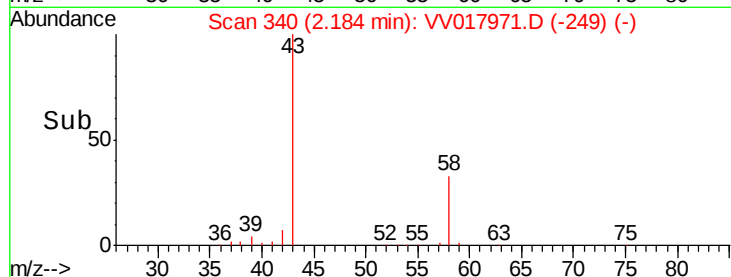
40000

20000

0

2.10 2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 0.960 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV017971.D

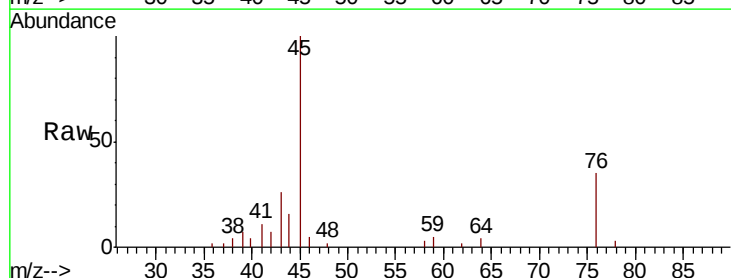
Acq: 13 Aug 2020 15:00

Tgt Ion: 76 Resp: 4586

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV017961.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017961.D (-367) (-)

3000

2500

2000

1500

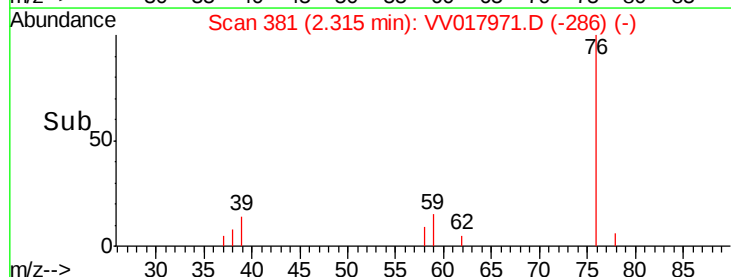
1000

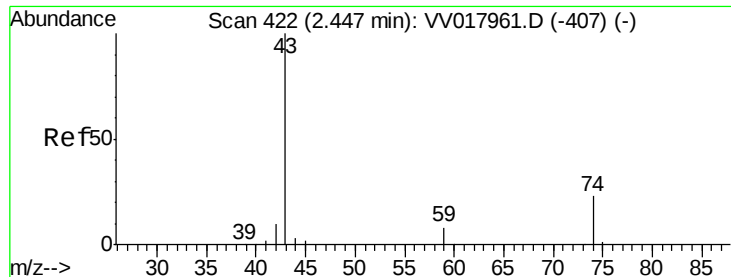
500

0

2.28 2.30 2.32 2.34

Time-->





#15

Methvl Acetate

Concen: 11.632 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV017971.D

Acq: 13 Aug 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

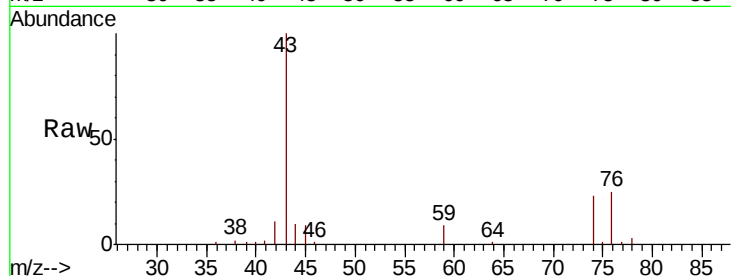
F2L98DL

Tot Ion: 43 Resp: 25076

Ion Ratio Lower Upper

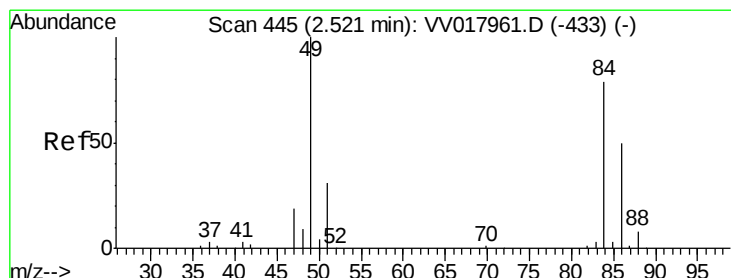
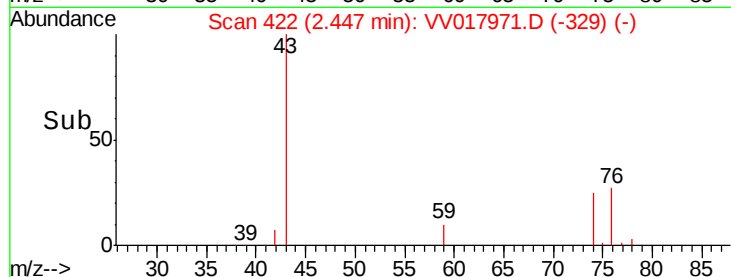
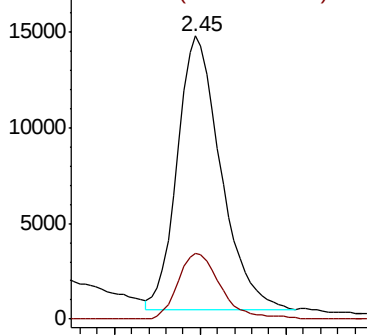
43 100

74 23.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 0.719 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017971.D

Acq: 13 Aug 2020 15:00

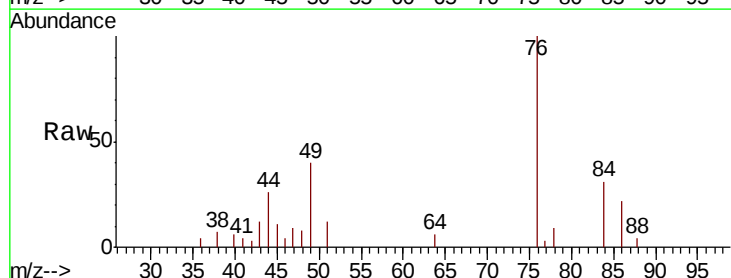
Tgt Ion: 84 Resp: 1591

Ion Ratio Lower Upper

84 100

86 71.5 46.3 85.9

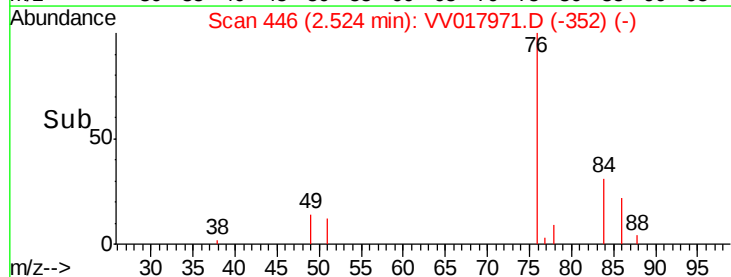
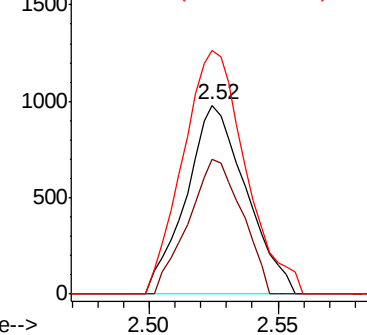
49 129.1 89.7 166.5

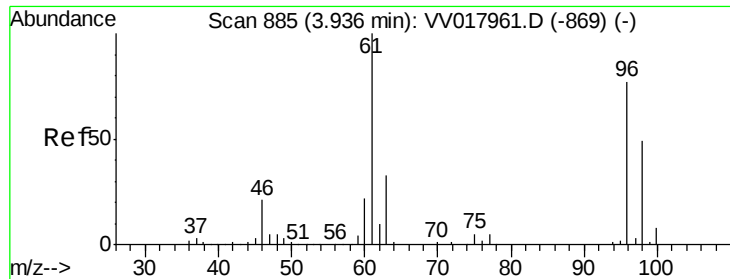


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

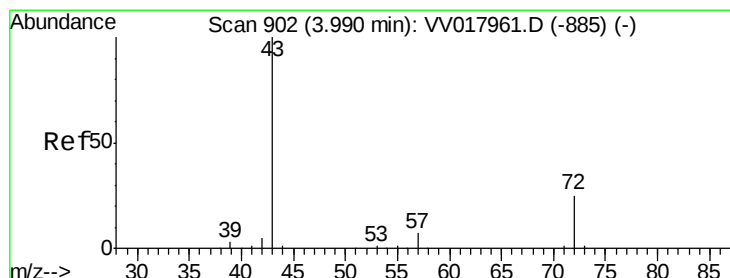
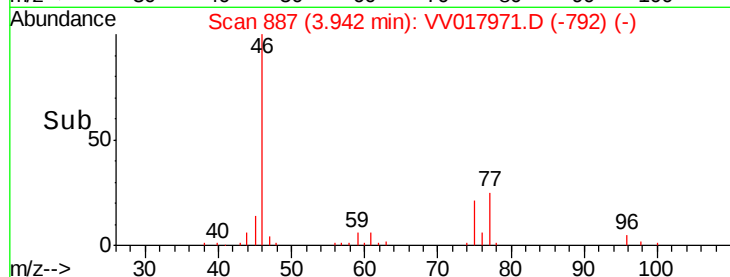
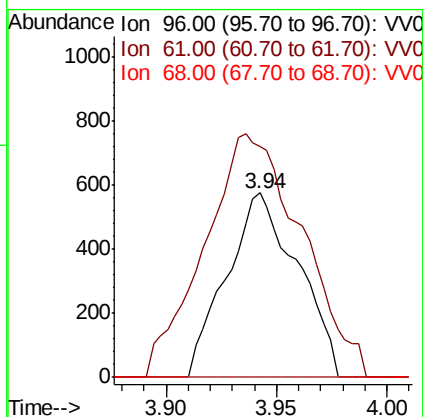
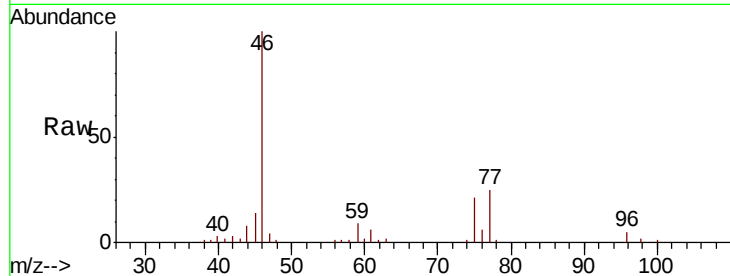




#20
 cis-1,2-Dichloroethene
 Concen: 0.658 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV017971.D
 Acq: 13 Aug 2020 15:00

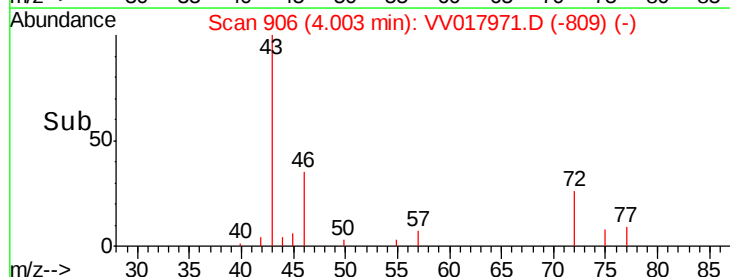
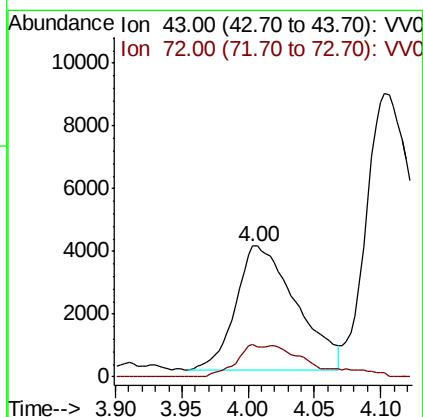
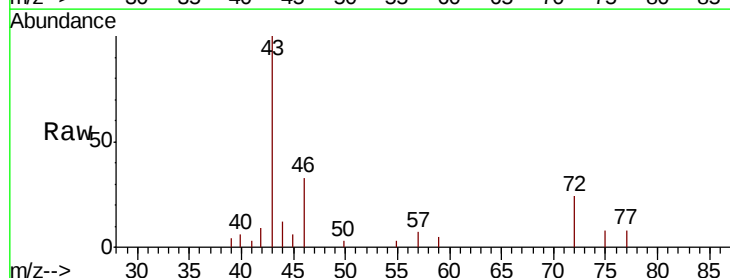
Instrument :
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 F2L98DL

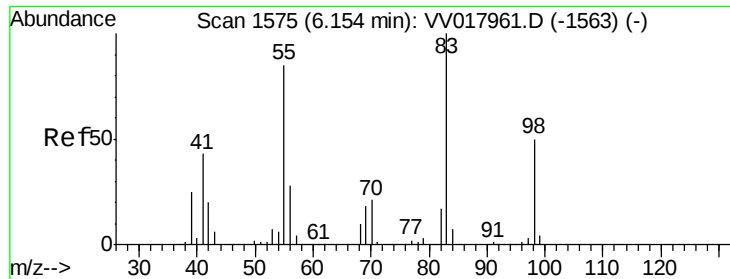
Tot Ion: 96 Resp: 1290
 Ion Ratio Lower Upper
 96 100
 61 125.2 95.0 176.4
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 8.349 ug/L
 RT: 4.00 min Scan# 906
 Delta R.T. 0.01 min
 Lab File: VV017971.D
 Acq: 13 Aug 2020 15:00

Tgt Ion: 43 Resp: 12512
 Ion Ratio Lower Upper
 43 100
 72 11.0 12.7 38.0#

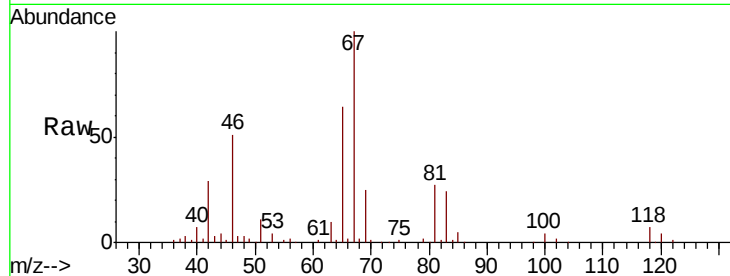




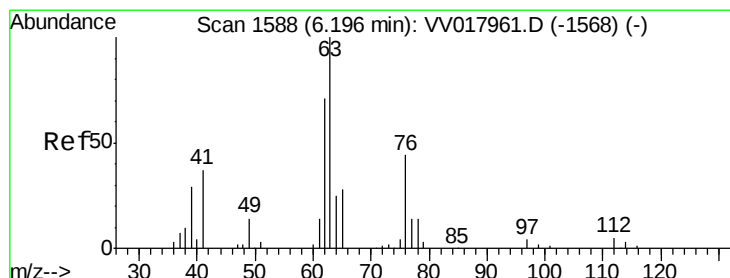
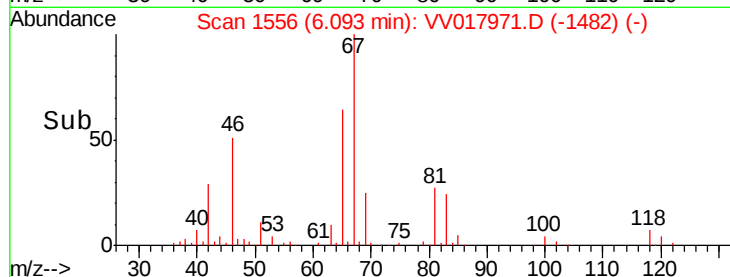
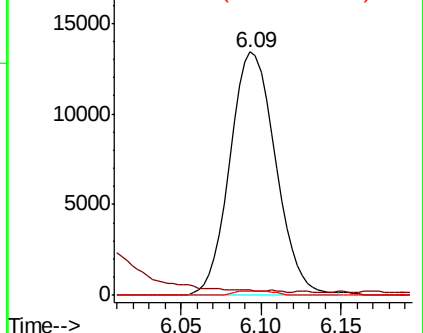
#35
Methvlcvclohexane
Concen: 8.254 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017971.D
Acq: 13 Aug 2020 15:00

Instrument :
MSVOA_V
ClientSampleId :
F2L98DL

Tot Ion: 83 Resp: 26265
Ion Ratio Lower Upper
83 100
55 0.2 64.9 97.3#
98 1.5 38.7 58.1#

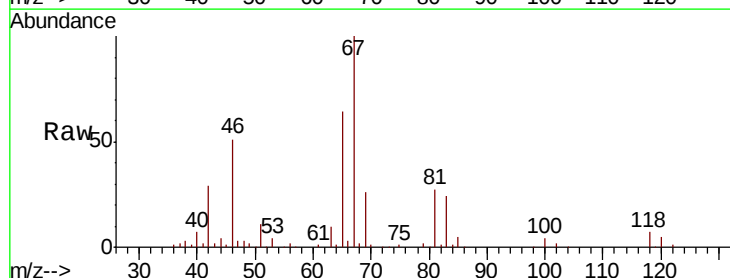


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

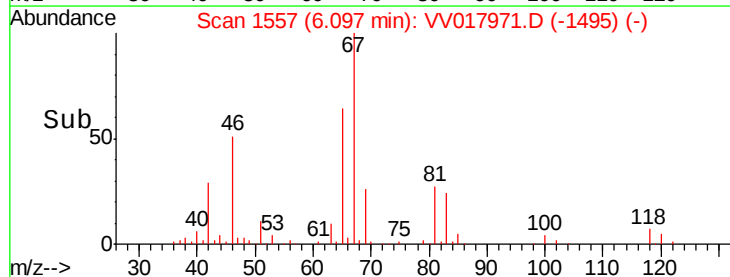
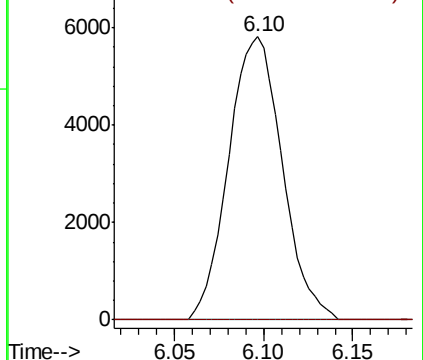


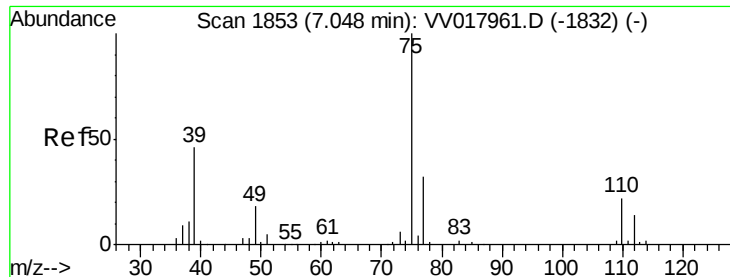
#37
1,2-Dichloropropane
Concen: 5.517 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017971.D
Acq: 13 Aug 2020 15:00

Tgt Ion: 63 Resp: 12180
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

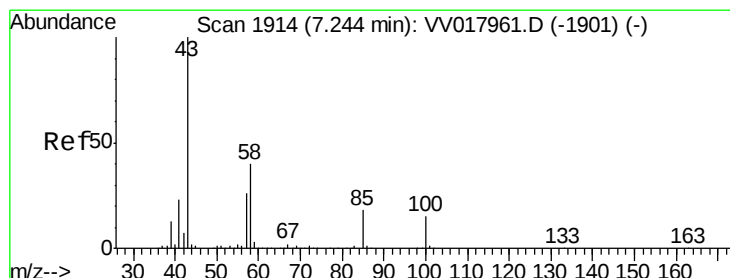
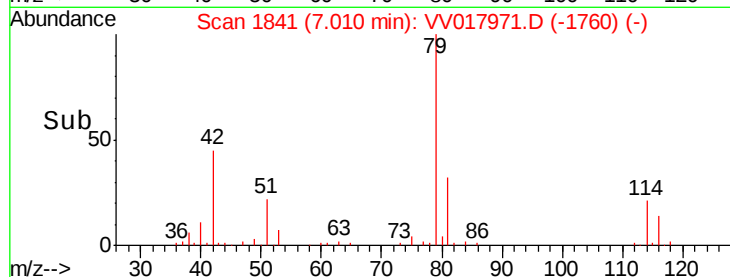
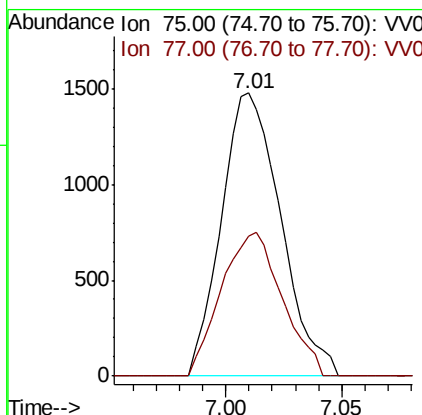
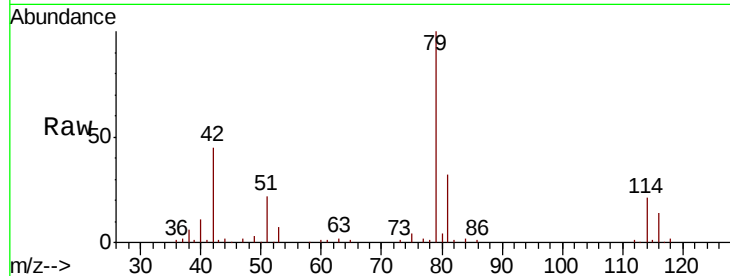




#39
 cis-1,3-Dichloropropene
 Concen: 0.838 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017971.D
 Acq: 13 Aug 2020 15:00

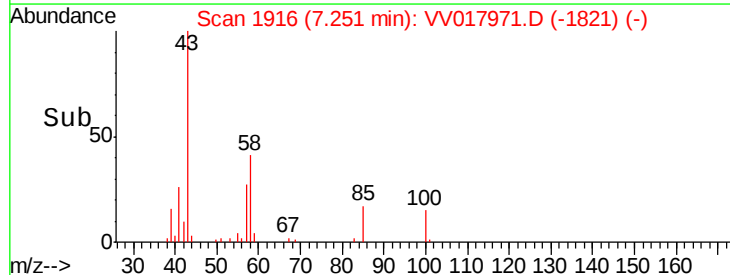
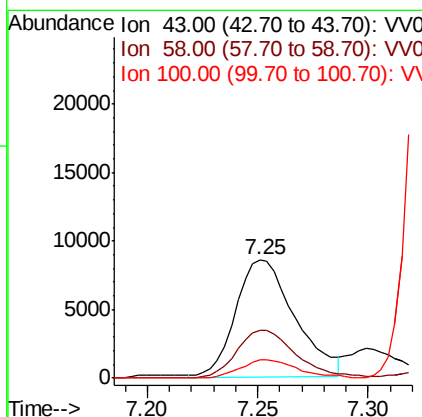
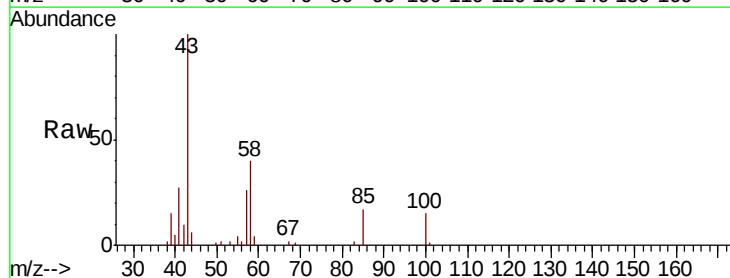
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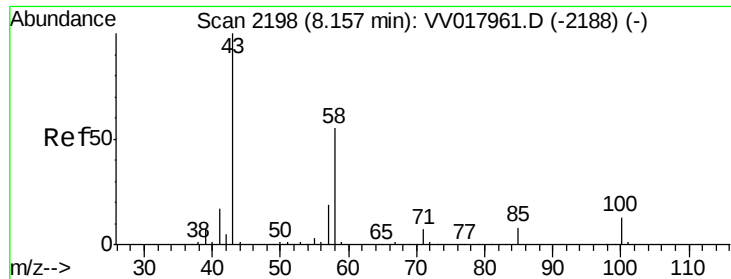
Tot Ion: 75 Resp: 2623
 Ion Ratio Lower Upper
 75 100
 77 49.5 22.3 41.5#



#40
 4-Methyl-2-pentanone
 Concen: 5.513 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV017971.D
 Acq: 13 Aug 2020 15:00

Tgt Ion: 43 Resp: 15910
 Ion Ratio Lower Upper
 43 100
 58 41.0 31.9 47.9
 100 15.0 12.2 18.2

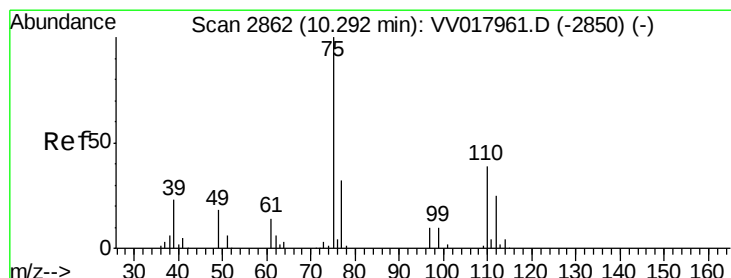
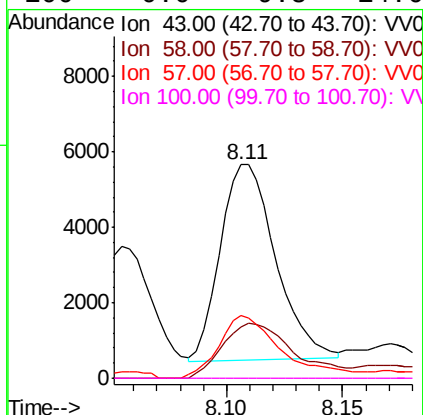
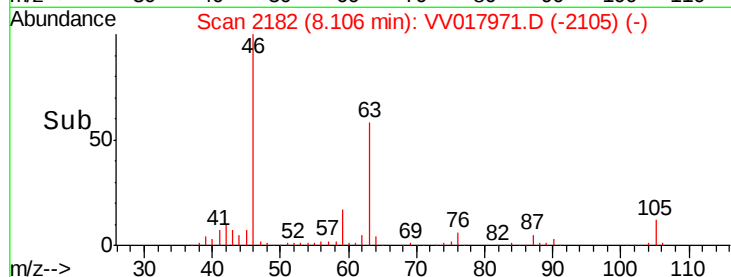
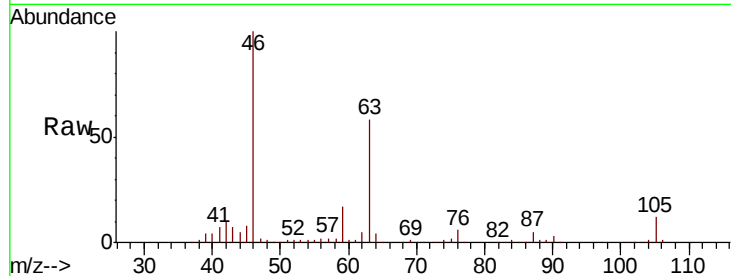




#48
2-Hexanone
Concen: 3.717 ug/L
RT: 8.11 min Scan# 2182
Delta R.T. -0.05 min
Lab File: VV017971.D
Acq: 13 Aug 2020 15:00

Instrument :
MSVOA_V
ClientSampleId :
F2L98DL

Tot Ion: 43 Resp: 8650
Ion Ratio Lower Upper
43 100
58 35.8 44.4 66.6#
57 37.0 15.2 22.8#
100 0.0 9.8 14.6#



#59
1,2,3-Trichloropropane
Concen: 5.516 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV017971.D
Acq: 13 Aug 2020 15:00

Tgt Ion: 75 Resp: 15040
Ion Ratio Lower Upper
75 100
77 37.9 25.7 38.5

