

Data File : VV011984.D
Acq On : 24 Jul 2019 00:16
Operator : SY/MD
Sample : K3958-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2A00

Quant Time: Jul 24 07:51:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 07:47:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	152596	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	146192	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	71438	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35787	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.59	69	29113	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.13	63	58966	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	3.95	46	109662	47.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.60%
24) Chloroform-d	4.40	84	90816	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.08	65	52838	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.10	84	189737	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.12	67	54581	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.36	98	172716	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.66	79	20230	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.14	63	85401	44.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37599	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	70608	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

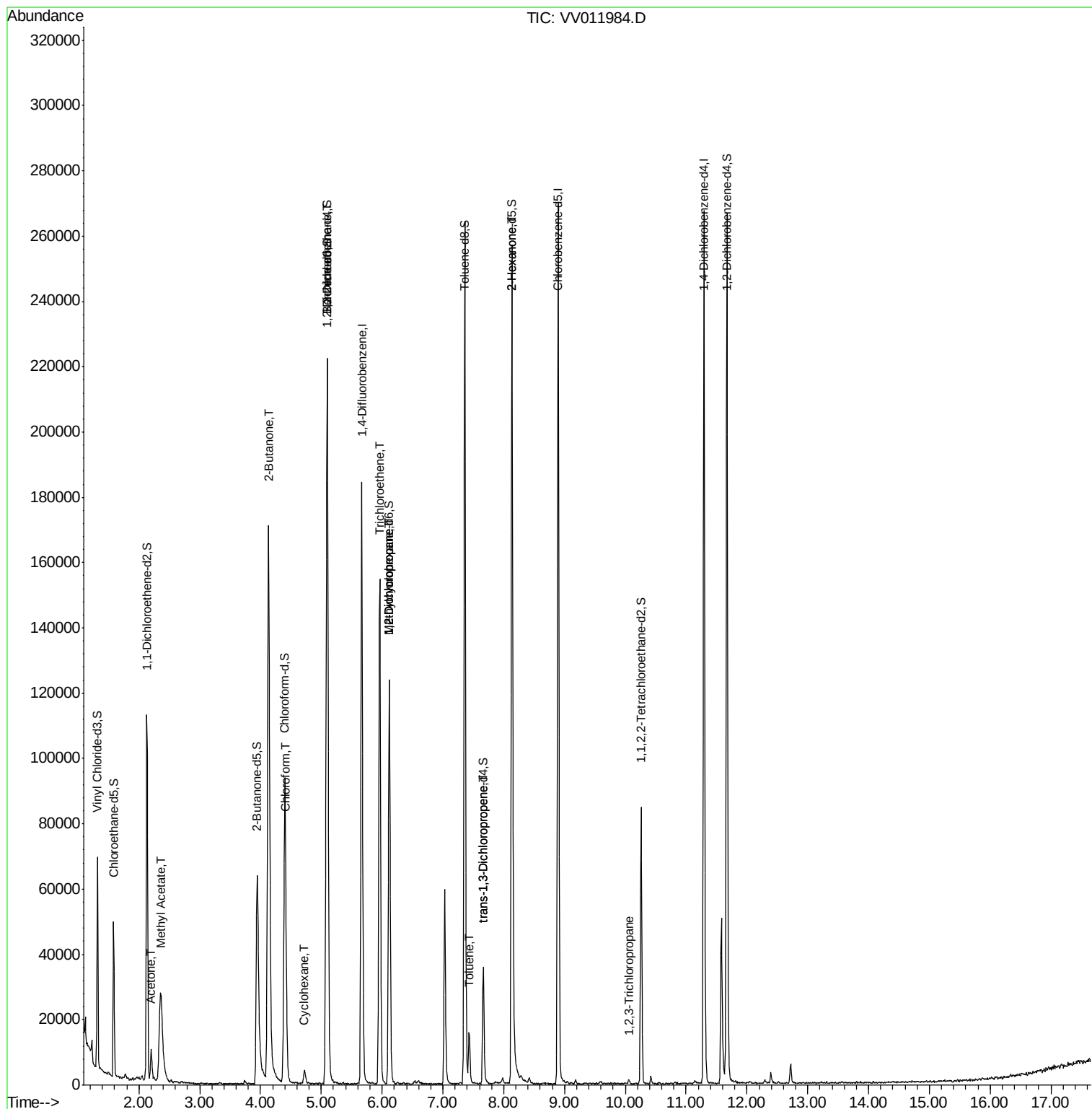
					Qvalue
13) Acetone	2.20	43	10938	8.753	ug/L 98
15) Methyl Acetate	2.36	43	17319	6.348	ug/L # 45
21) 2-Butanone	4.13	43	269911	112.591	ug/L # 48
25) Chloroform	4.42	83	6059	0.263	ug/L 95
27) 1,2-Dichloroethane	5.10	62	1421	0.111	ug/L # 76
30) Cyclohexane	4.72	56	2079	0.118	ug/L # 61
34) Trichloroethene	5.96	95	51157	4.284	ug/L 99
35) Methylcyclohexane	6.12	83	14474	0.779	ug/L # 17
37) 1,2-Dichloropropane	6.12	63	6620	0.640	ug/L # 84
42) Toluene	7.43	91	10736	0.233	ug/L 97
44) trans-1,3-Dichloropropene	7.67	75	1044	0.086	ug/L # 81
48) 2-Hexanone	8.14	43	11052	2.727	ug/L # 72
59) 1,2,3-Trichloropropane	10.06	75	797	0.132	ug/L # 47

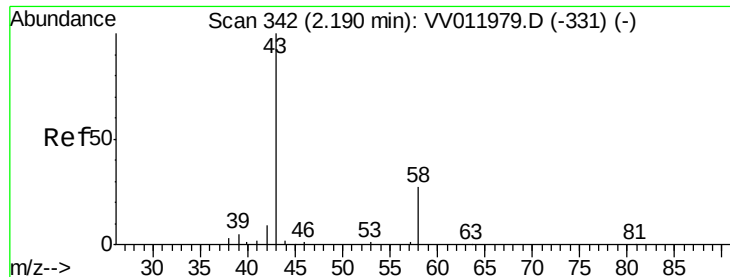
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.753 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

Lab File: VV011984.D

Acq: 24 Jul 2019 00:16

Instrument :

MSVOA_V

ClientSampleId :

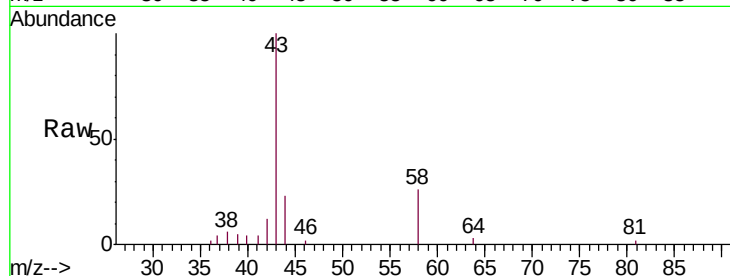
F2A00

Tgt Ion: 43 Resp: 10938

Ion Ratio Lower Upper

43 100

58 24.6 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV011979.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV011979.D (-331) (-)

2.20

6000

5000

4000

3000

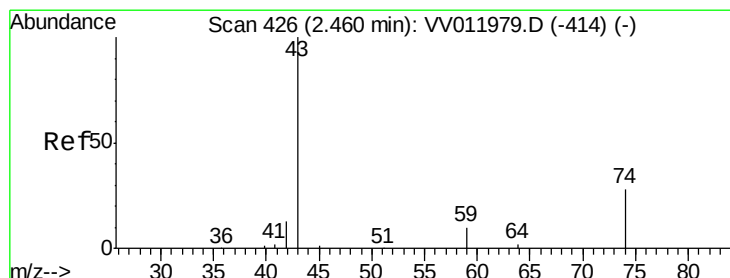
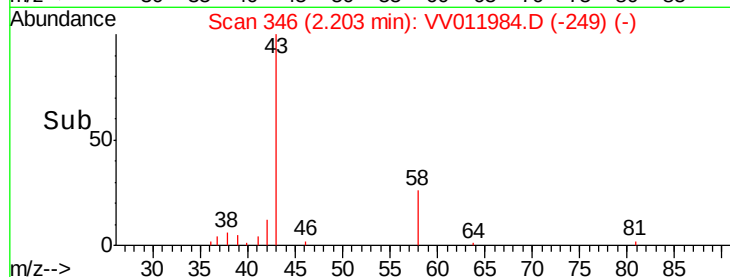
2000

1000

0

Time-->

2.15 2.20 2.25 2.30



#15

Methyl Acetate

Concen: 6.348 ug/L

RT: 2.36 min Scan# 395

Delta R.T. -0.10 min

Lab File: VV011984.D

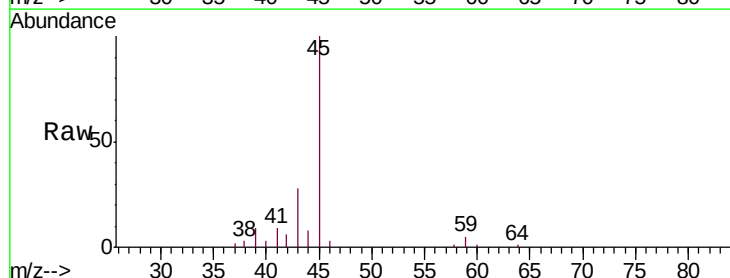
Acq: 24 Jul 2019 00:16

Tgt Ion: 43 Resp: 17319

Ion Ratio Lower Upper

43 100

74 0.0 23.4 35.2#



Abundance Ion 43.05 (42.75 to 43.75): VV011979.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VV011979.D (-414) (-)

2.36

5000

4000

3000

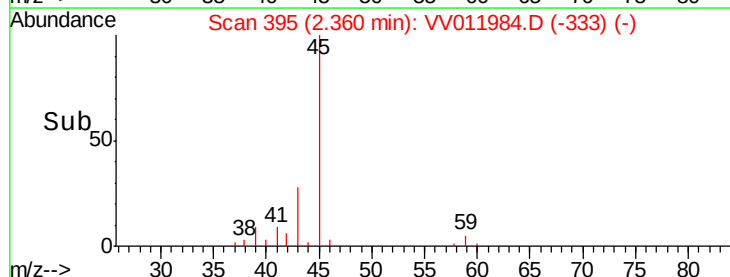
2000

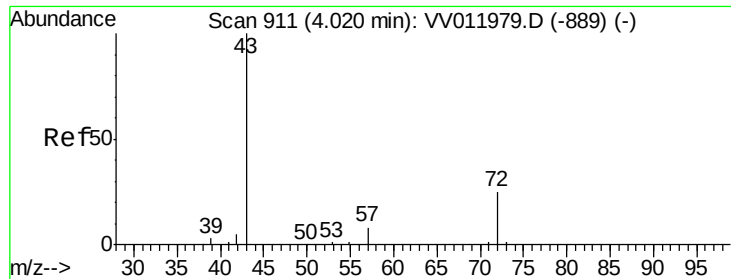
1000

0

Time-->

2.30 2.36 2.40 2.50

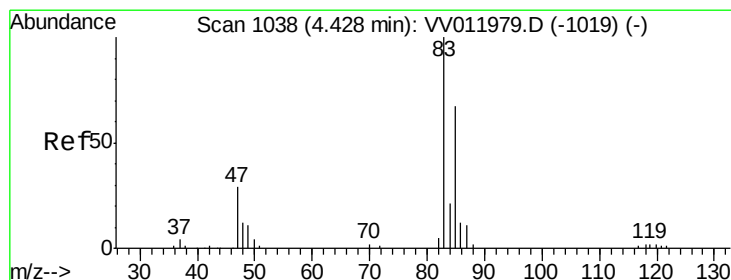
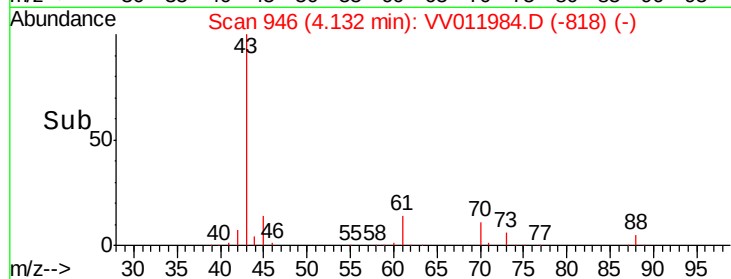
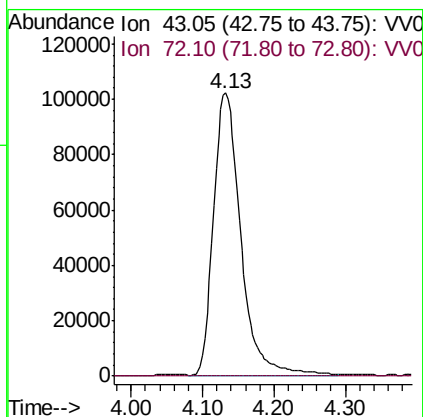
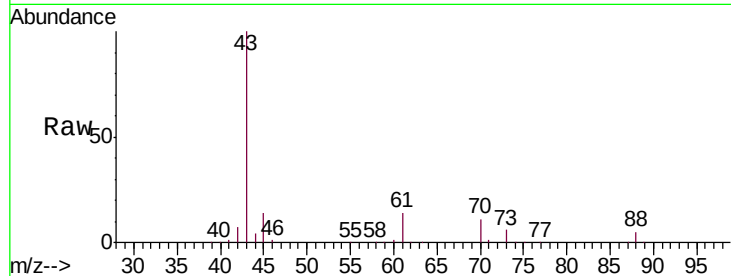




#21
2-Butanone
Concen: 112.591 ug/L
RT: 4.13 min Scan# 946
Delta R.T. 0.11 min
Lab File: VV011984.D
Acq: 24 Jul 2019 00:16

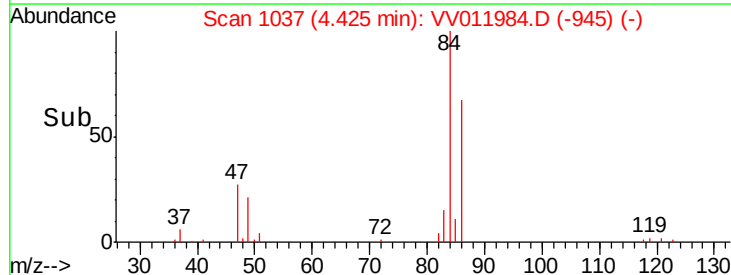
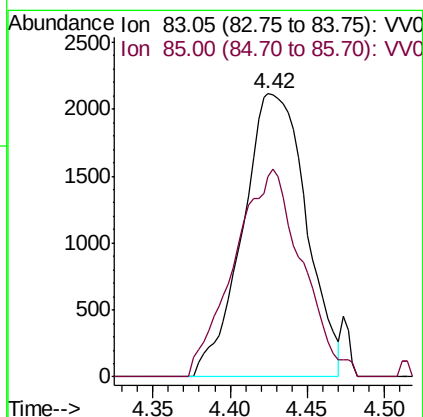
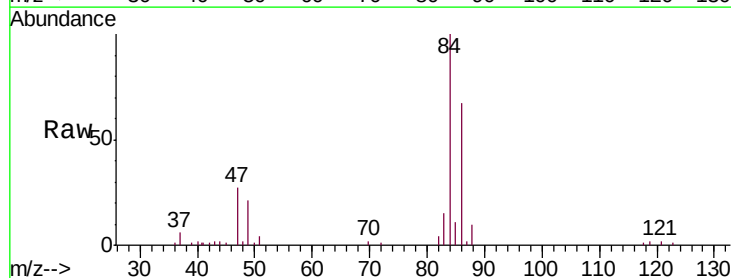
Instrument :
MSVOA_V
ClientSampleId :
F2A00

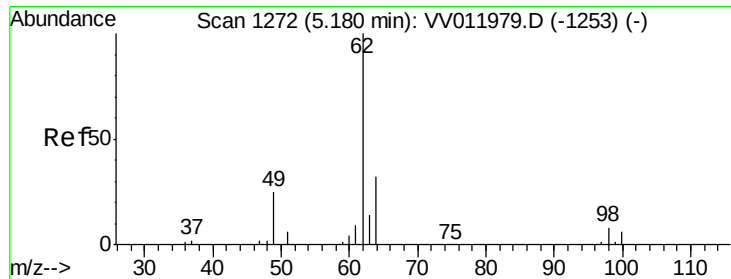
Tgt Ion: 43 Resp: 269911
Ion Ratio Lower Upper
43 100
72 0.0 13.6 40.8#



#25
Chloroform
Concen: 0.263 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV011984.D
Acq: 24 Jul 2019 00:16

Tgt Ion: 83 Resp: 6059
Ion Ratio Lower Upper
83 100
85 70.6 46.5 86.3

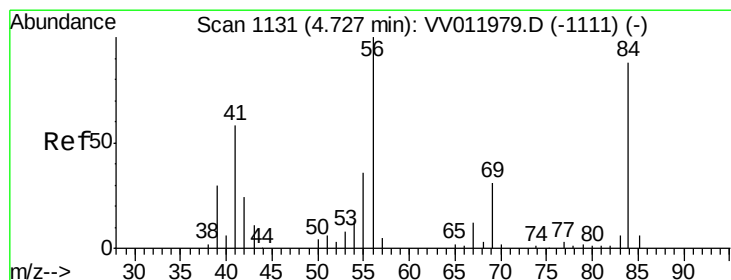
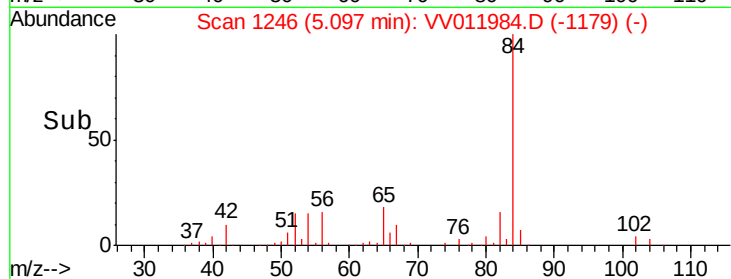
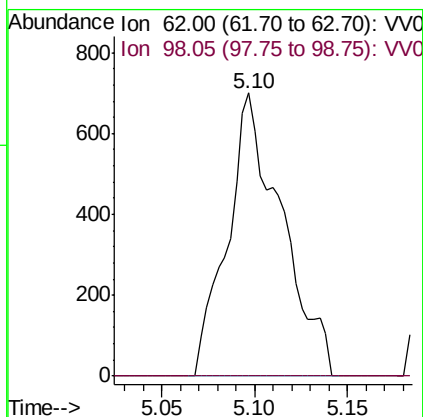
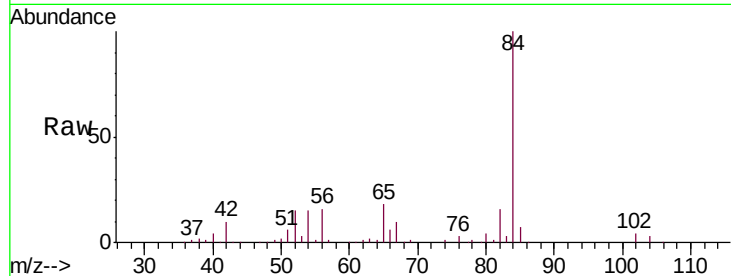




#27
 1,2-Dichloroethane
 Concen: 0.111 ug/L
 RT: 5.10 min Scan# 1246
 Delta R.T. -0.08 min
 Lab File: VV011984.D
 Acq: 24 Jul 2019 00:16

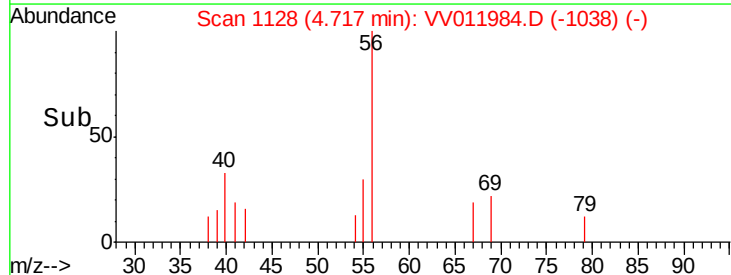
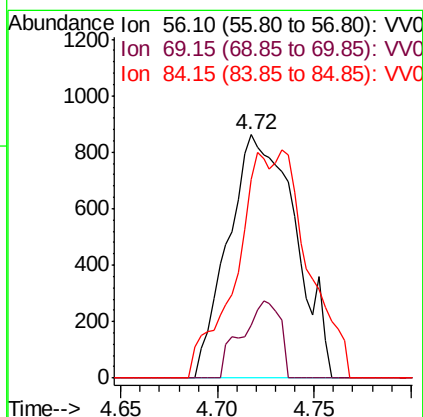
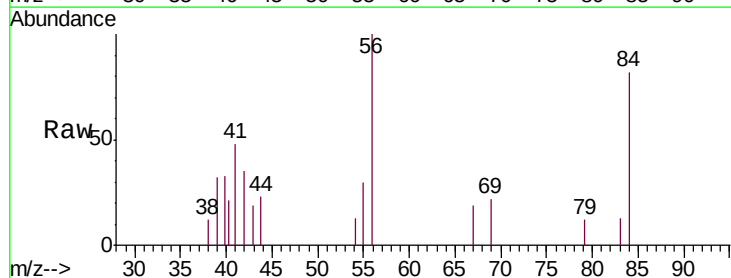
Instrument :
 MSVOA_V
 ClientSampled :
 F2A00

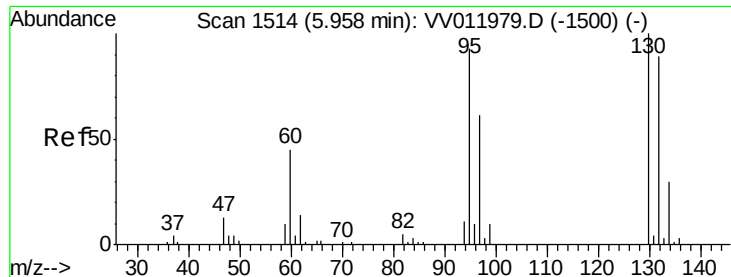
Tgt Ion: 62 Resp: 1421
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.6#



#30
 Cyclohexane
 Concen: 0.118 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VV011984.D
 Acq: 24 Jul 2019 00:16

Tgt Ion: 56 Resp: 2079
 Ion Ratio Lower Upper
 56 100
 69 18.2 25.4 38.2#
 84 49.2 73.4 110.0#





#34

Trichloroethene

Concen: 4.284 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV011984.D

Acq: 24 Jul 2019 00:16

Instrument :

MSVOA_V

ClientSampleId :

F2A00

Tgt Ion: 95 Resp: 51157

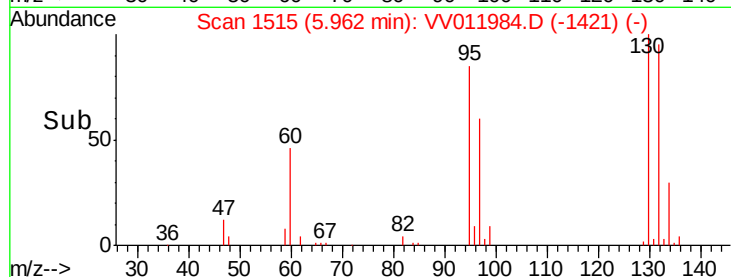
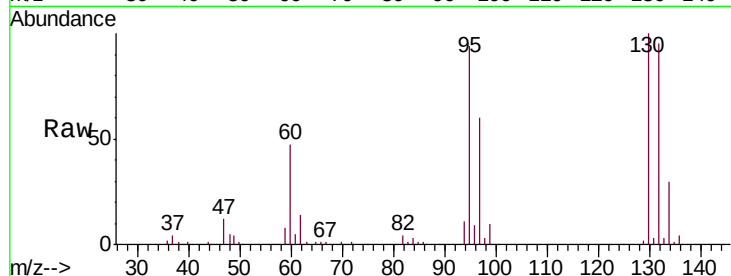
Ion Ratio Lower Upper

95 100

97 64.4 45.6 84.6

132 101.8 71.3 132.3

130 106.9 72.8 135.2

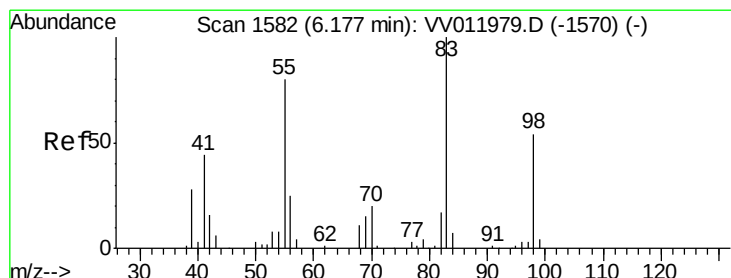
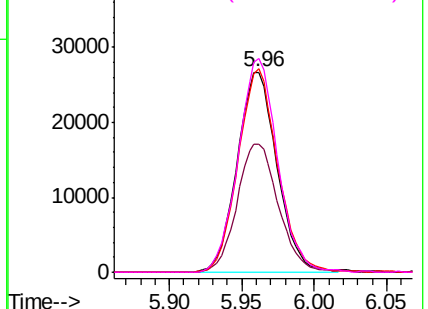


Abundance Ion 95.00 (94.70 to 95.70): VV011979.D (-1500) (-)

Ion 96.95 (96.65 to 97.65): VV011979.D (-1500) (-)

Ion 131.95 (131.65 to 132.65): VV011979.D (-1500) (-)

Ion 129.95 (129.65 to 130.65): VV011979.D (-1500) (-)



#35

Methylcyclohexane

Concen: 0.779 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.06 min

Lab File: VV011984.D

Acq: 24 Jul 2019 00:16

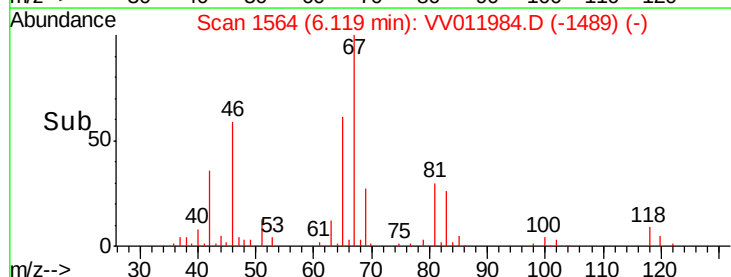
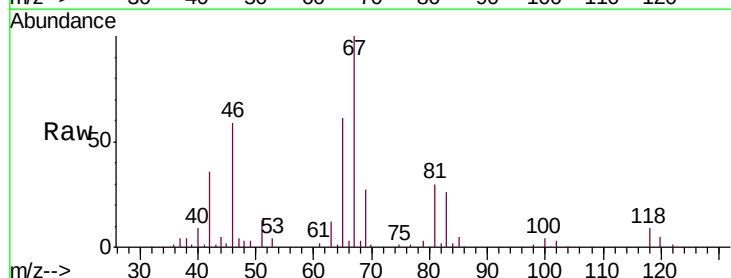
Tgt Ion: 83 Resp: 14474

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

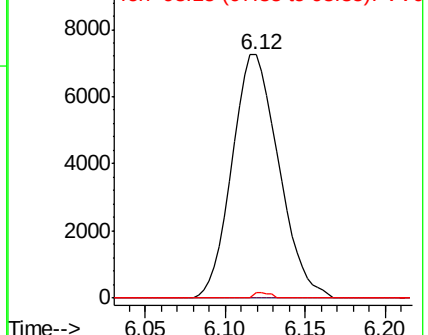
98 0.8 41.4 62.0#

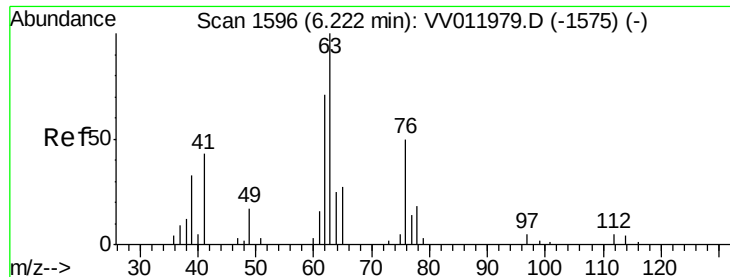


Abundance Ion 83.15 (82.85 to 83.85): VV011979.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV011979.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV011979.D (-1570) (-)

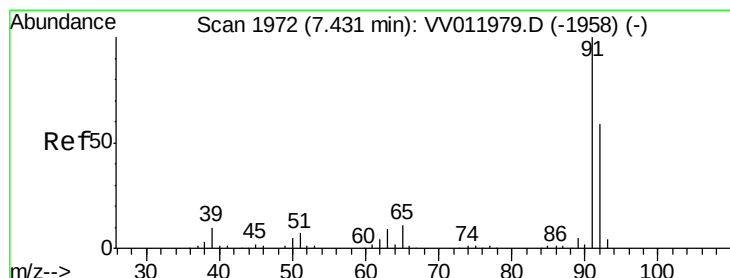
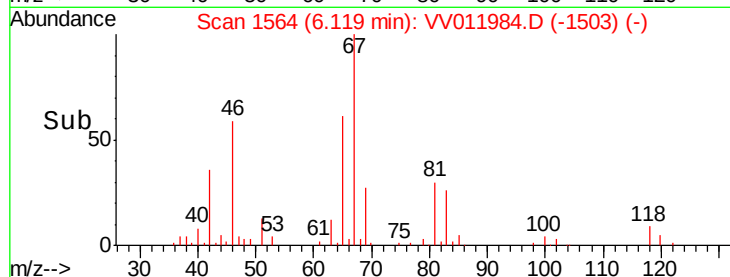
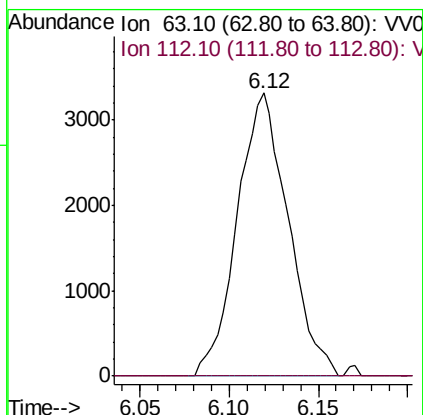
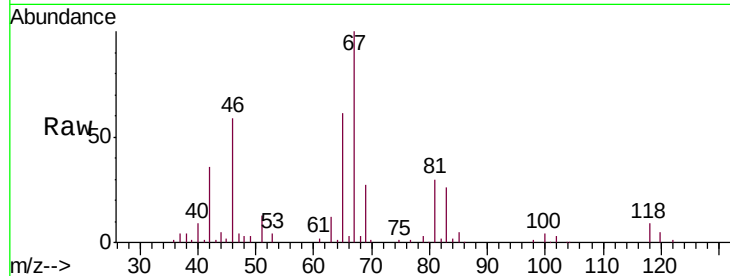




#37
 1,2-Dichloropropane
 Concen: 0.640 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011984.D
 Acq: 24 Jul 2019 00:16

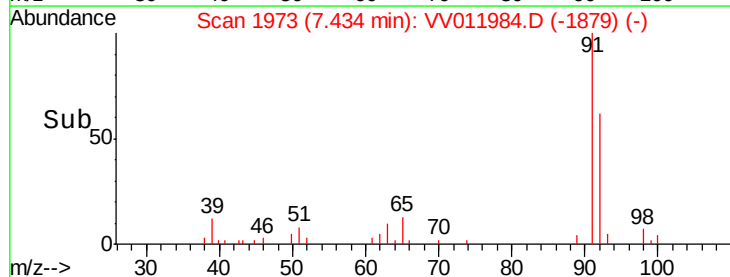
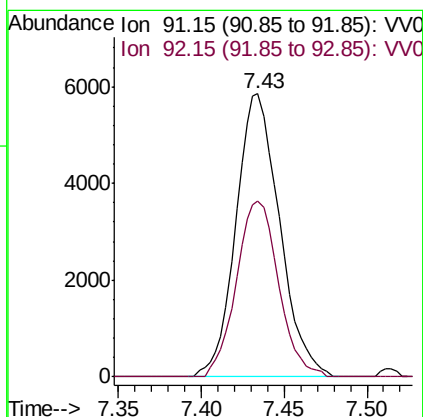
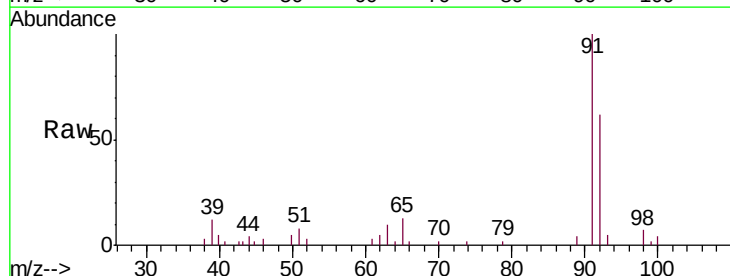
Instrument :
 MSVOA_V
 ClientSampled :
 F2A00

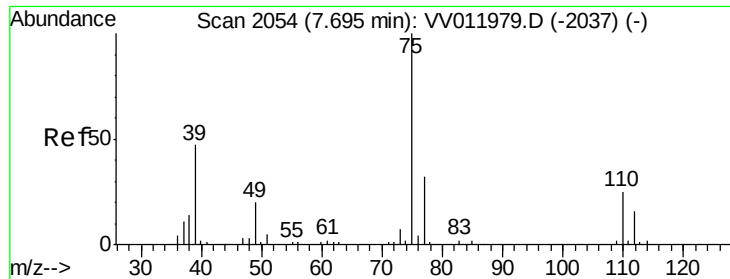
Tgt Ion: 63 Resp: 6620
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.4#



#42
 Toluene
 Concen: 0.233 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV011984.D
 Acq: 24 Jul 2019 00:16

Tgt Ion: 91 Resp: 10736
 Ion Ratio Lower Upper
 91 100
 92 62.1 41.9 77.9





#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011984.D

Acq: 24 Jul 2019 00:16

Instrument :

MSVOA_V

ClientSampleId :

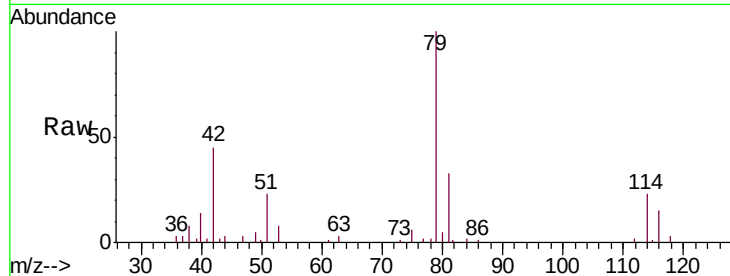
F2A00

Tgt Ion: 75 Resp: 1044

Ion Ratio Lower Upper

75 100

77 42.0 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VV011979.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV011979.D (-2037) (-)

7.67

600

400

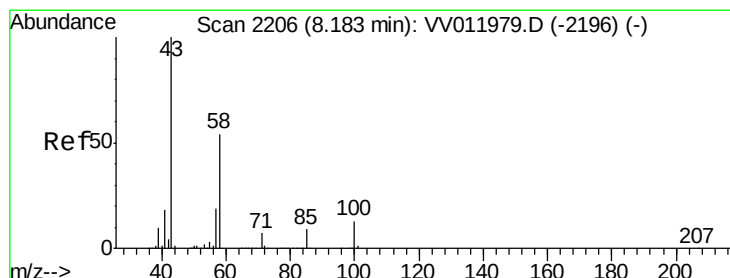
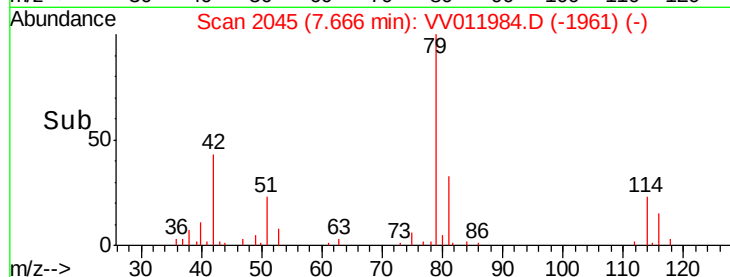
200

0

7.65

7.70

Time-->



#48

2-Hexanone

Concen: 2.727 ug/L

RT: 8.14 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV011984.D

Acq: 24 Jul 2019 00:16

Tgt Ion: 43 Resp: 11052

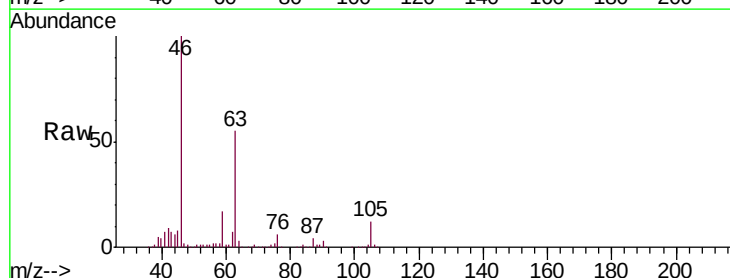
Ion Ratio Lower Upper

43 100

58 33.8 43.7 65.5#

57 31.3 16.0 24.0#

100 0.0 10.5 15.7#



Abundance Ion 43.05 (42.75 to 43.75): VV011979.D (-2196) (-)

Ion 58.05 (57.75 to 58.75): VV011979.D (-2196) (-)

Ion 57.20 (56.90 to 57.90): VV011979.D (-2196) (-)

Ion 100.15 (99.85 to 100.85): VV011979.D (-2196) (-)

8.14

10000

8000

6000

4000

2000

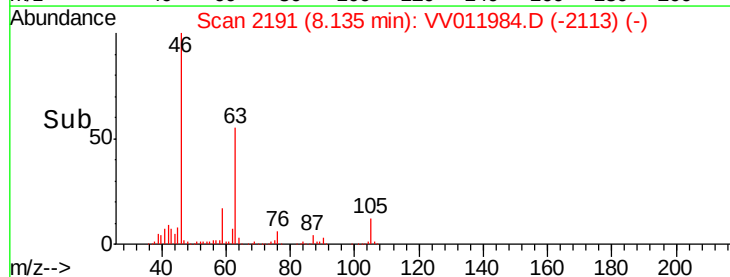
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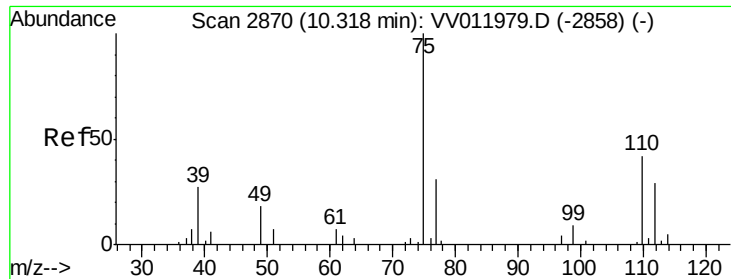
8.10

8.15

8.20

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.132 ug/L

RT: 10.06 min Scan# 2790

Delta R.T. -0.26 min

Lab File: VV011984.D

Acq: 24 Jul 2019 00:16

Instrument :

MSVOA_V

ClientSampleId :

F2A00

Tgt Ion: 75 Resp: 797

Ion Ratio Lower Upper

75 100

77 2.6 26.2 39.2#

