

Data File : VV010875.D
Acq On : 14 May 2019 23:15
Operator : SY/MD
Sample : K2798-04MS
Misc : 4.34G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB875MS

Quant Time: May 15 08:11:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 08:08:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	128822	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	132273	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58014	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33996	20.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.84%
7) Chloroethane-d5	1.57	69	27043	25.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.12%
10) 1,1-Dichloroethene-d2	2.13	63	72882	23.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.88%
20) 2-Butanone-d5	3.93	46	23943	46.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.74%
24) Chloroform-d	4.40	84	67663	18.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.76%
26) 1,2-Dichloroethane-d4	5.08	65	46738	22.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.40%
29) Benzene-d6	5.10	84	161130	22.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.04%
33) 1,2-Dichloropropane-d6	6.12	67	52848	22.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.48%
37) Toluene-d8	7.36	98	145198	20.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.56%
38) trans-1,3-Dichloropropene-	7.66	79	20544	20.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.64%
39) 2-Hexanone-d5	8.13	63	18692	42.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.46%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44171	20.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	54858	22.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.56%

Target Compounds

					Qvalue
6) Bromomethane	1.51	94	605	1.414 ug/L	98
12) 1,1-Dichloroethene	2.14	96	42273	28.476 ug/L	87
13) Acetone	2.19	43	2457	4.672 ug/L	100
25) Chloroform	4.42	83	13436	3.618 ug/L	90
34) Benzene	5.14	78	198216	25.711 ug/L	100
35) Trichloroethene	5.96	95	50559	25.303 ug/L	99
44) Toluene	7.43	91	214214	24.997 ug/L	96
52) Chlorobenzene	8.93	112	141552	24.253 ug/L	99
59) 1,2,3-Trichloropropane	11.29	75	7556	4.669 ug/L	91

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
DB875MS

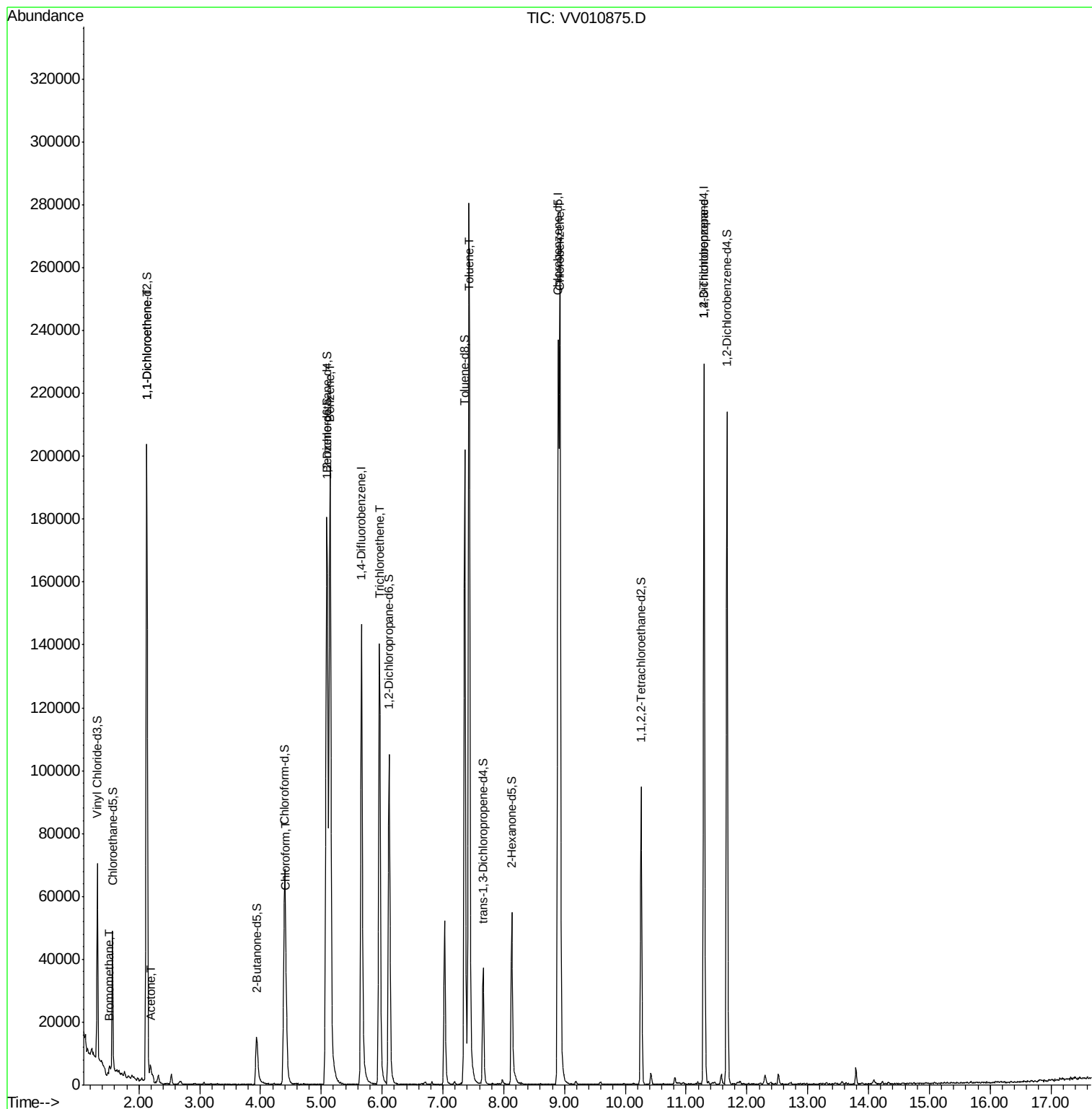
Quant Time: May 15 08:11:44 2019

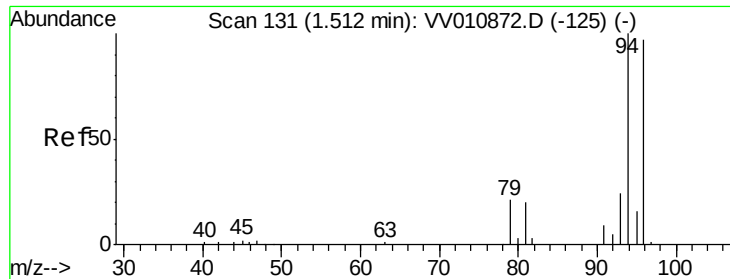
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM051319S.M

Quant Title : VOC Analysis

QLast Update : Wed May 15 08:08:35 2019

Response via : Initial Calibration





#6

Bromomethane

Concen: 1.414 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

Instrument :

MSVOA_V

ClientSampleId :

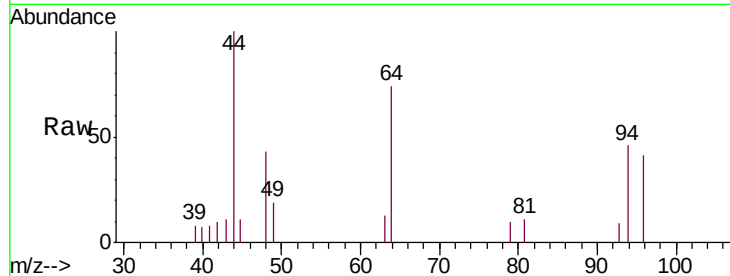
DB875MS

Tgt Ion: 94 Resp: 605

Ion Ratio Lower Upper

94 100

96 93.4 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

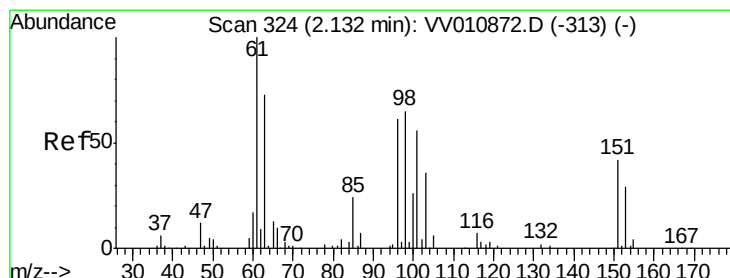
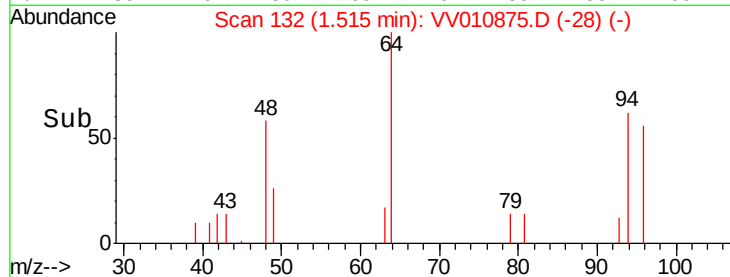
600

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 28.476 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

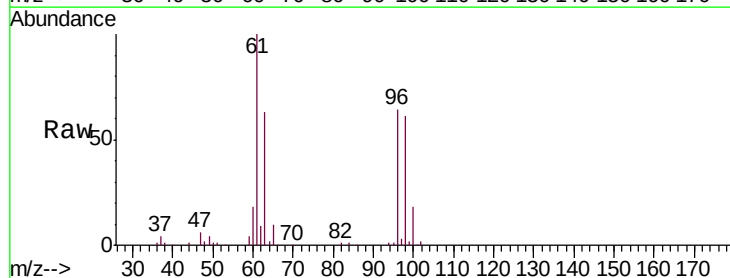
Tgt Ion: 96 Resp: 42273

Ion Ratio Lower Upper

96 100

61 155.4 117.5 218.3

63 97.1 82.8 153.8



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

60000

50000

40000

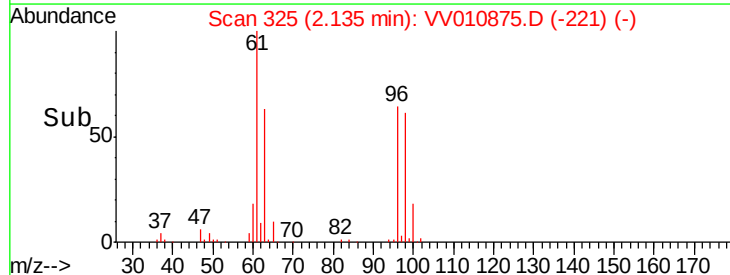
30000

20000

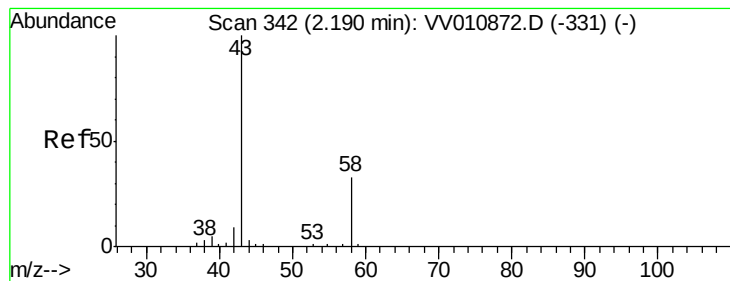
10000

0

Time-->



2.14



#13

Acetone

Concen: 4.672 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

Instrument :

MSVOA_V

ClientSampleId :

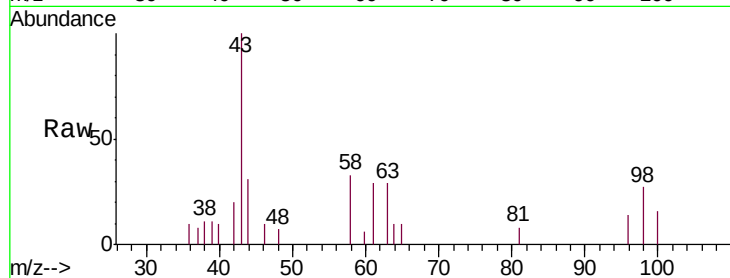
DB875MS

Tgt Ion: 43 Resp: 2457

Ion Ratio Lower Upper

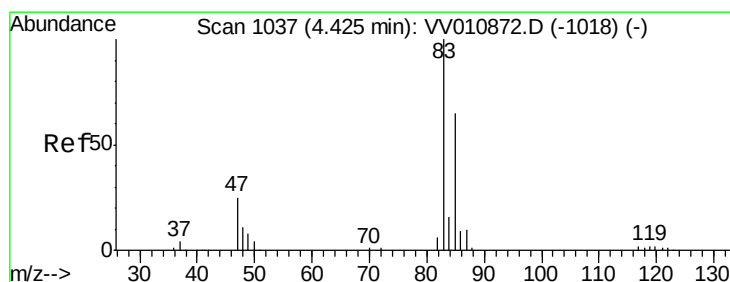
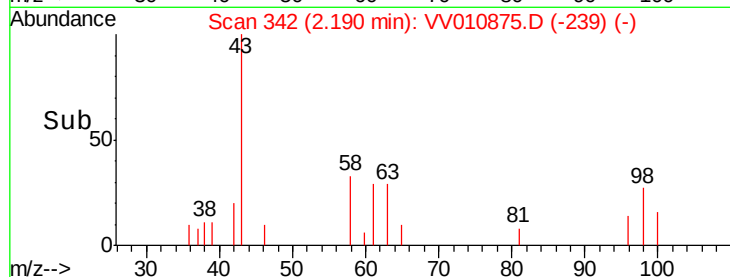
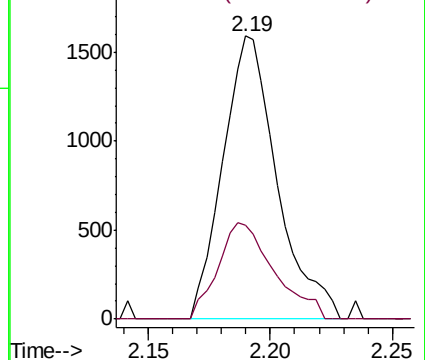
43 100

58 34.6 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#25

Chloroform

Concen: 3.618 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV010875.D

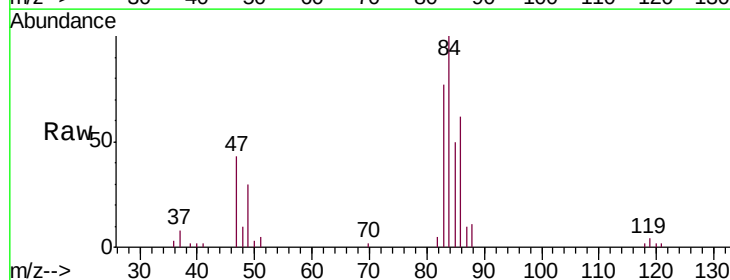
Acq: 14 May 2019 23:15

Tgt Ion: 83 Resp: 13436

Ion Ratio Lower Upper

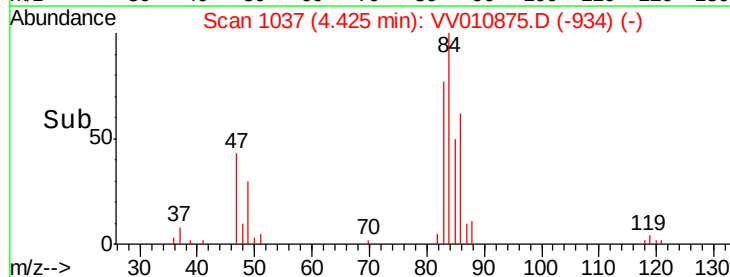
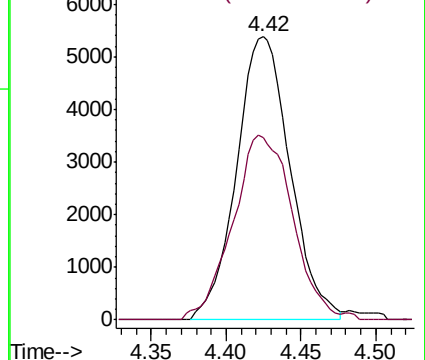
83 100

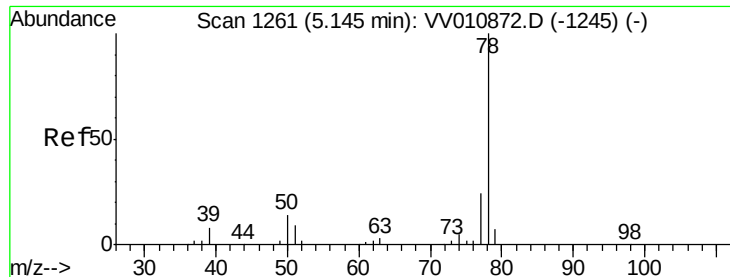
85 72.5 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#34

Benzene

Concen: 25.711 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

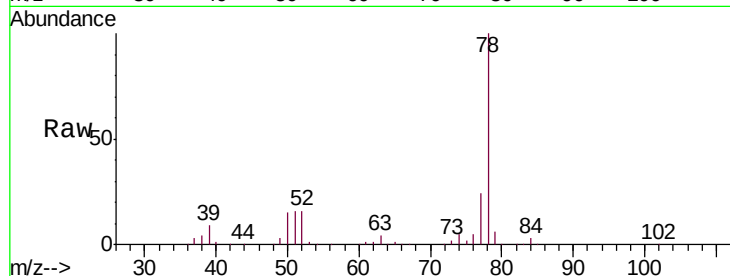
Instrument :

MSVOA_V

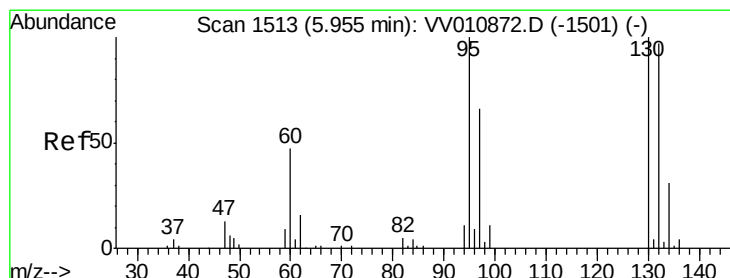
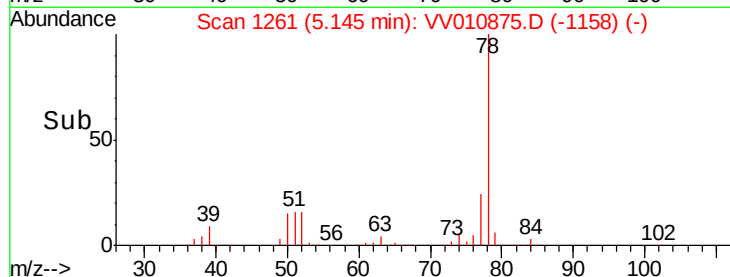
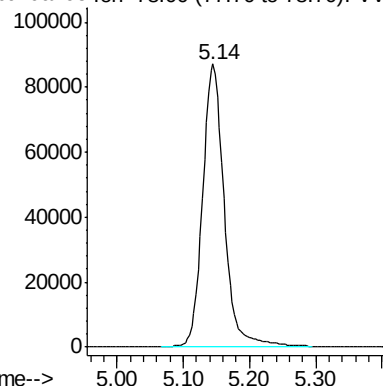
ClientSampleId :

DB875MS

Tgt Ion: 78 Resp: 198216



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 25.303 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

Tgt Ion: 95 Resp: 50559

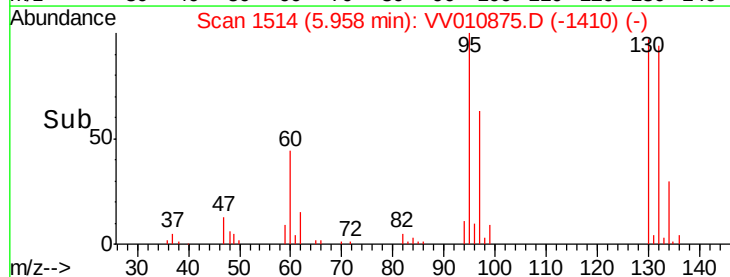
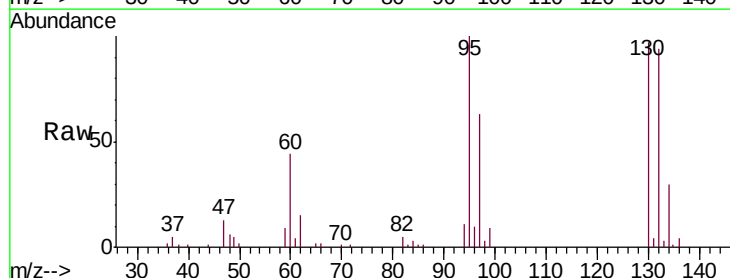
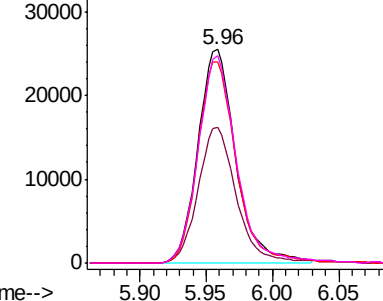
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.0	85.4
132	95.3	67.4	125.2
130	98.1	68.5	127.1

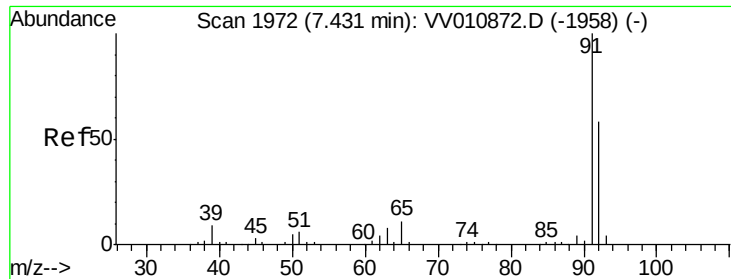
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#44

Toluene

Concen: 24.997 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

Instrument :

MSVOA_V

ClientSampleId :

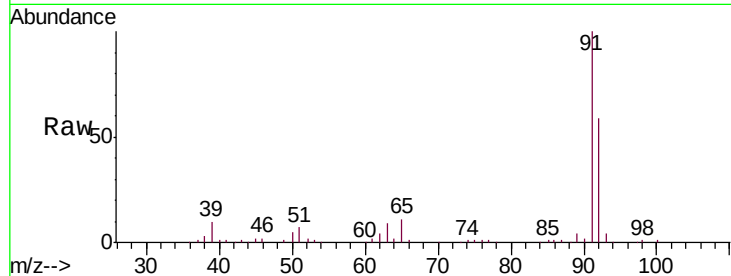
DB875MS

Tgt Ion: 91 Resp: 214214

Ion Ratio Lower Upper

91 100

92 58.5 39.1 72.7



Abundance Ion 91.00 (90.70 to 91.70): VV010872.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010872.D (-1958) (-)

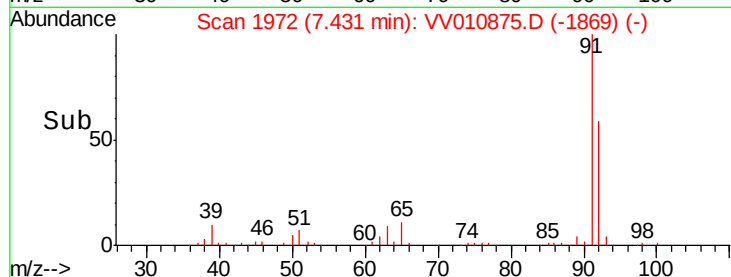
7.43

100000

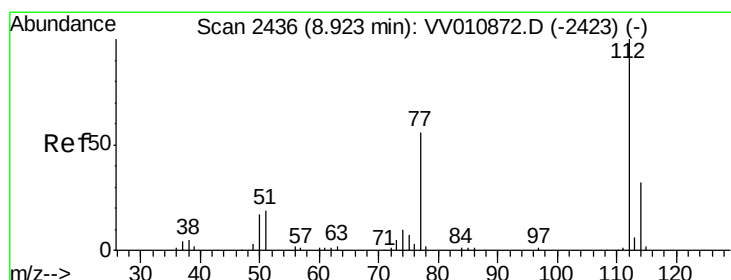
50000

0

Time-->



Time-->



#52

Chlorobenzene

Concen: 24.253 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

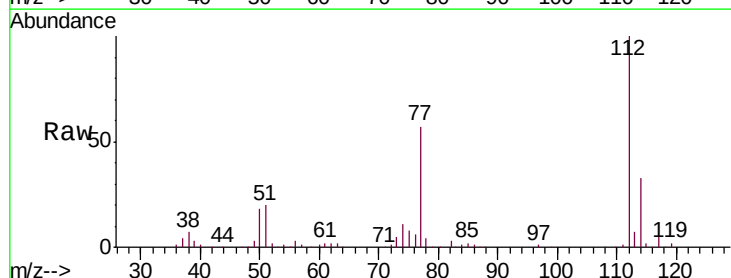
Tgt Ion: 112 Resp: 141552

Ion Ratio Lower Upper

112 100

77 56.7 45.4 68.0

114 33.1 22.4 41.6



Abundance Ion 112.00 (111.70 to 112.70): VV010872.D (-2423) (-)

Ion 77.00 (76.70 to 77.70): VV010872.D (-2423) (-)

Ion 114.00 (113.70 to 114.70): VV010872.D (-2423) (-)

8.93

100000

80000

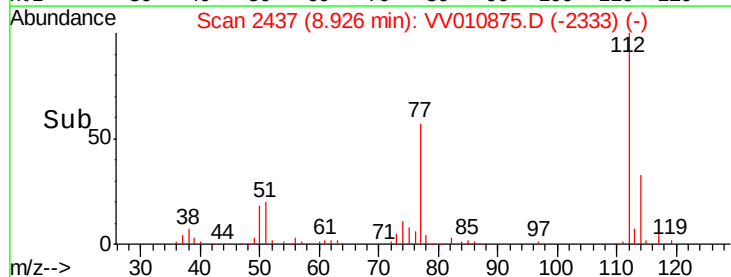
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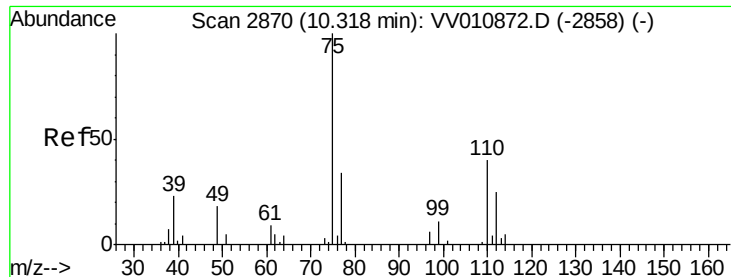
20000

0

Time-->



Time-->



#59

1,2,3-Trichloropropane

Concen: 4.669 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010875.D

Acq: 14 May 2019 23:15

Instrument :

MSVOA_V

ClientSampleId :

DB875MS

Tgt Ion: 75 Resp: 7556

Ion Ratio Lower Upper

75 100

77 38.2 26.4 39.6

