

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112219\
 Data File : VV013737.D
 Acq On : 22 Nov 2019 16:36
 Operator : SY/MD
 Sample : K5941-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AB9

Quant Time: Nov 23 02:45:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 23 01:35:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	338820	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	329427	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	150890	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113365	5.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.20%
7) Chloroethane-d5	1.58	69	103519	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.13	63	171996	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	3.92	46	245193	56.24	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.48%
24) Chloroform-d	4.40	84	226913	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	5.08	65	114701	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.00%
32) Benzene-d6	5.10	84	445276	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.11	67	137932	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.36	98	389383	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.66	79	47271	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.13	63	175434	48.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.48%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	95607	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	156419	5.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.40%

Target Compounds

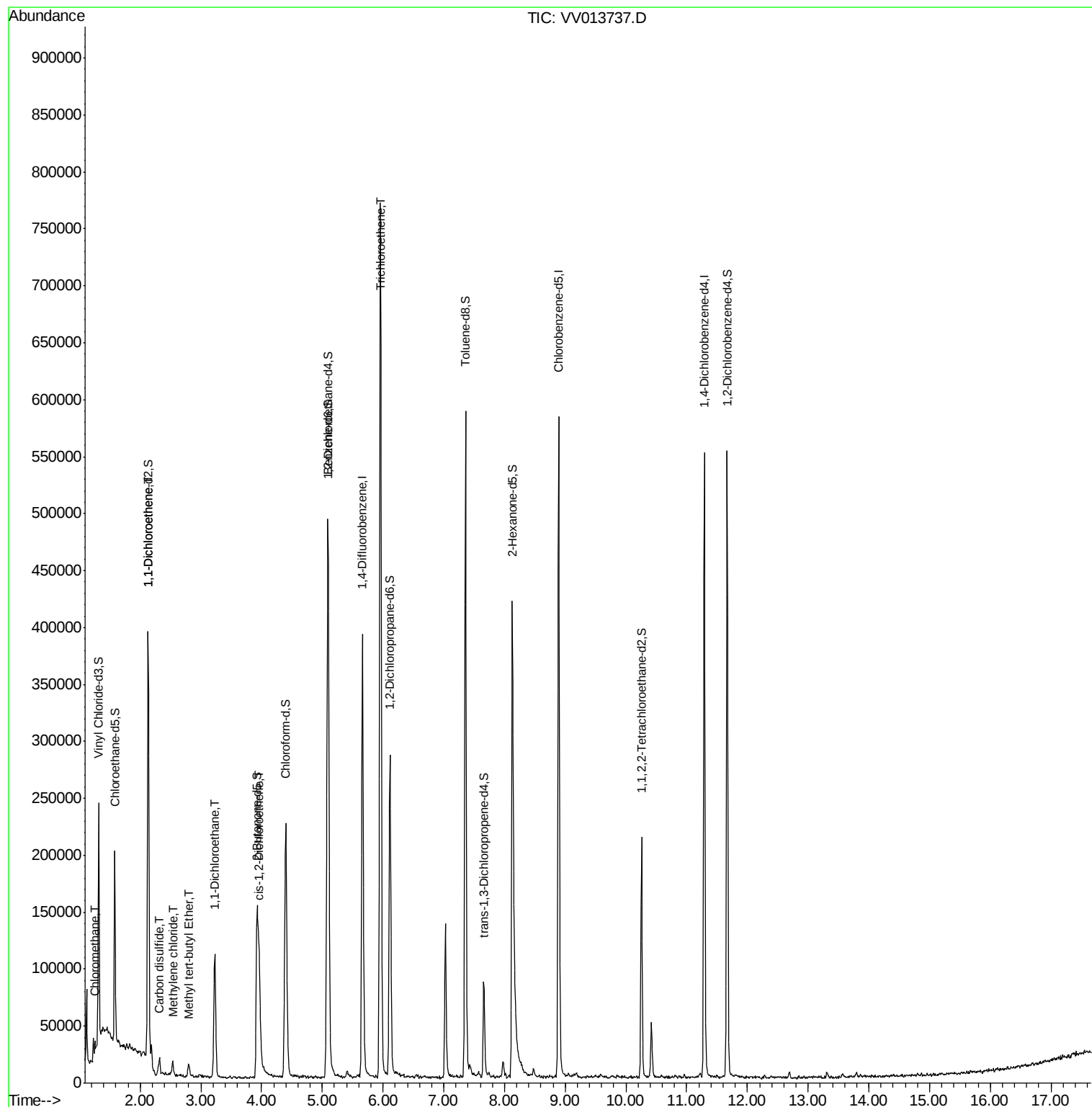
					Ovalue
3) Chloromethane	1.25	50	7341	0.370 ug/L	99
12) 1,1-Dichloroethene	2.14	96	42411	2.603 ug/L #	75
14) Carbon disulfide	2.32	76	14731	0.392 ug/L	98
16) Methylene chloride	2.53	84	4693	0.210 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	9539	0.214 ug/L #	91
19) 1,1-Dichloroethane	3.23	63	107958	2.940 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	44247	2.051 ug/L	98
34) Trichloroethene	5.96	95	259619	11.647 ug/L	98

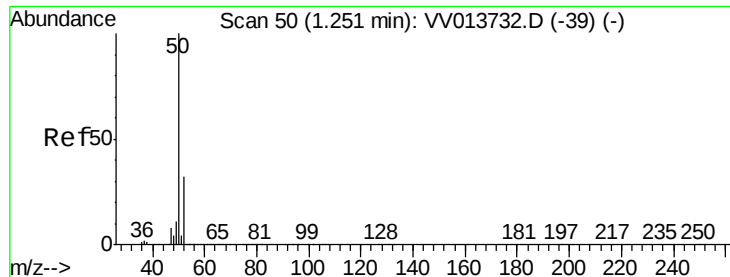
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.370 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV013737.D

Acq: 22 Nov 2019 16:36

Instrument :

MSVOA_V

ClientSampleId :

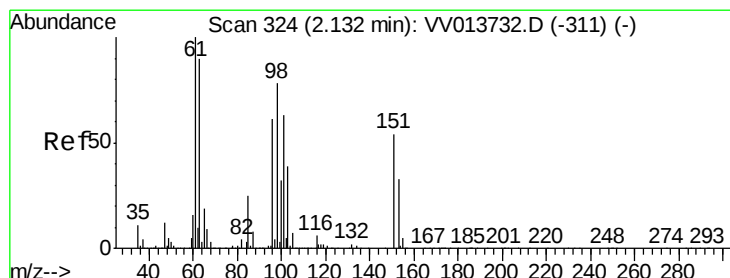
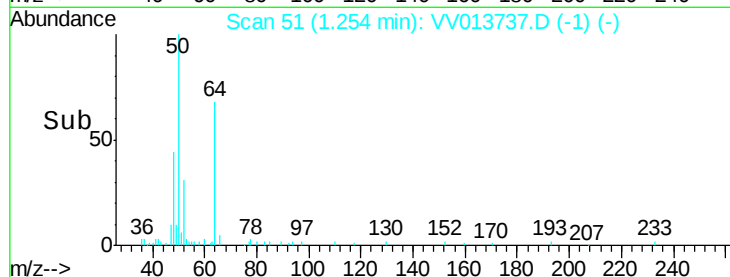
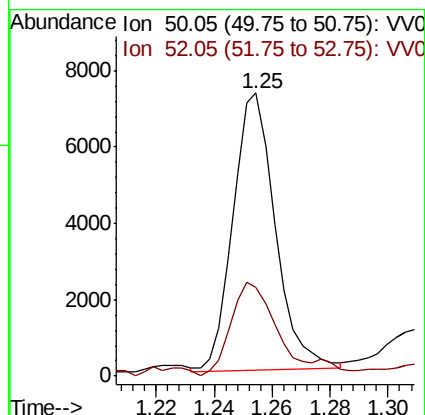
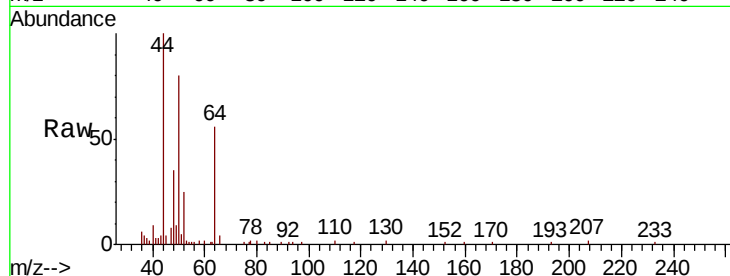
B0AB9

Tot Ion: 50 Resp: 7341

Ion Ratio Lower Upper

50 100

52 31.5 22.5 41.7



#12

1,1-Dichloroethene

Concen: 2.603 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV013737.D

Acq: 22 Nov 2019 16:36

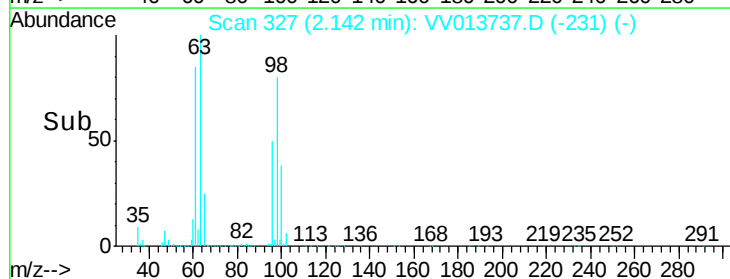
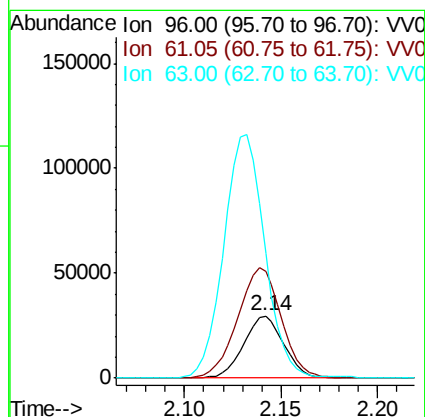
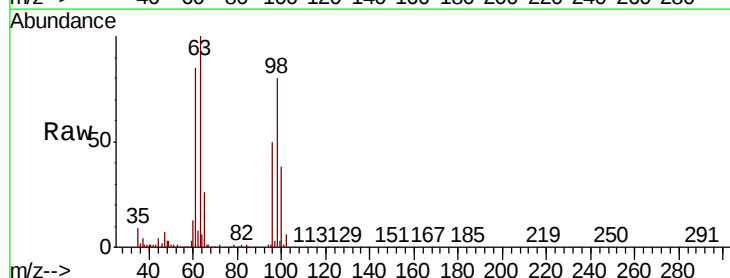
Tgt Ion: 96 Resp: 42411

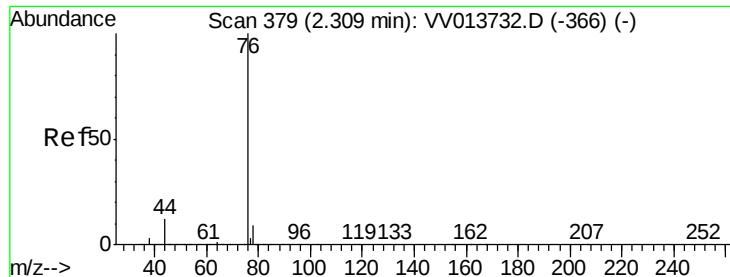
Ion Ratio Lower Upper

96 100

61 170.9 116.3 215.9

63 199.9 96.7 179.7#





#14

Carbon disulfide

Concen: 0.392 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV013737.D

Acq: 22 Nov 2019 16:36

Instrument :

MSVOA_V

ClientSampled :

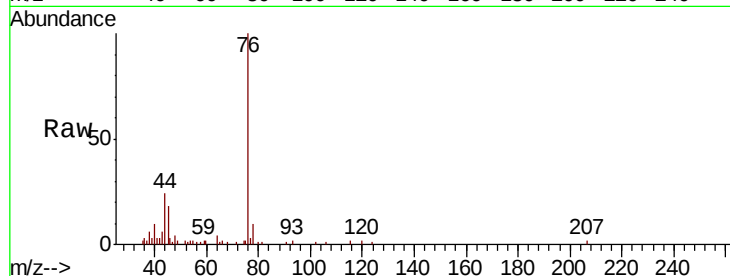
B0AB9

Tot Ion: 76 Resp: 14731

Ion Ratio Lower Upper

76 100

78 10.2 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

10000

8000

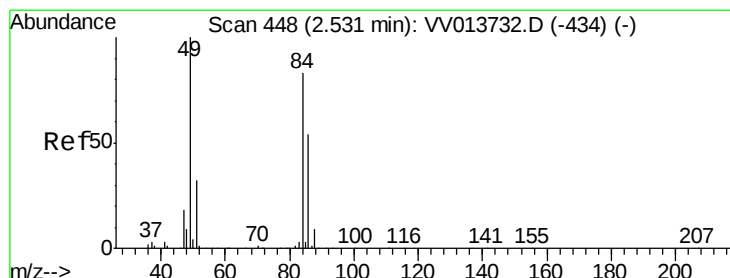
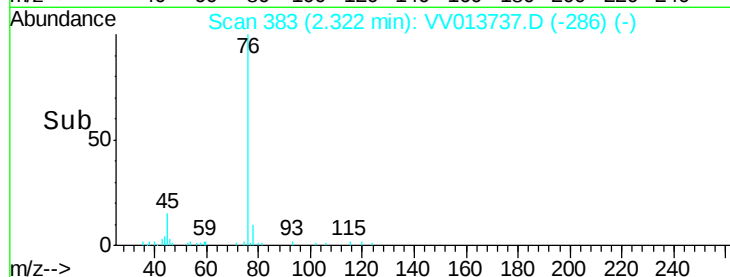
6000

4000

2000

0

Time--> 2.25 2.30 2.35



#16

Methylene chloride

Concen: 0.210 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013737.D

Acq: 22 Nov 2019 16:36

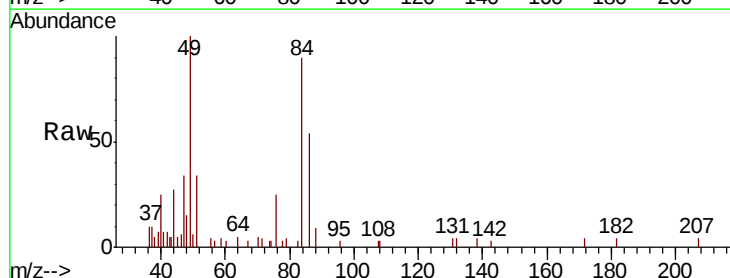
Tgt Ion: 84 Resp: 4693

Ion Ratio Lower Upper

84 100

86 60.4 44.0 81.6

49 111.2 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

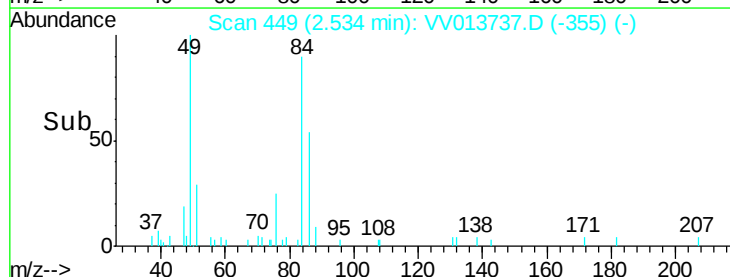
3000

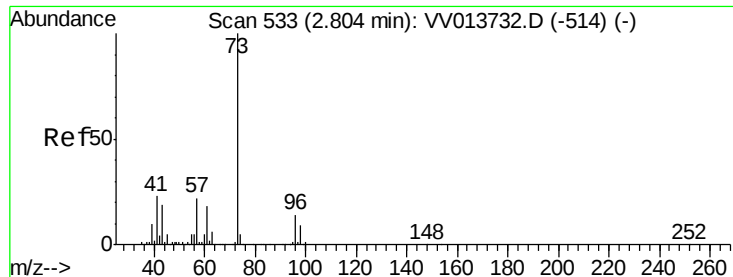
2000

1000

0

Time--> 2.50 2.55

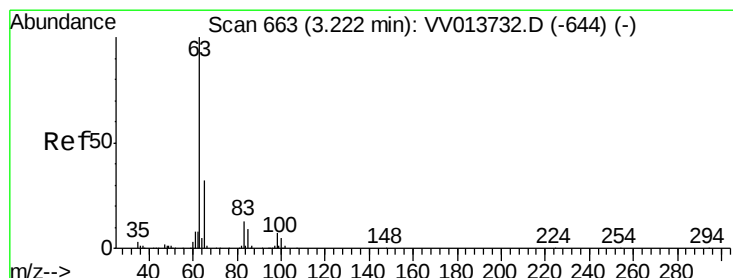
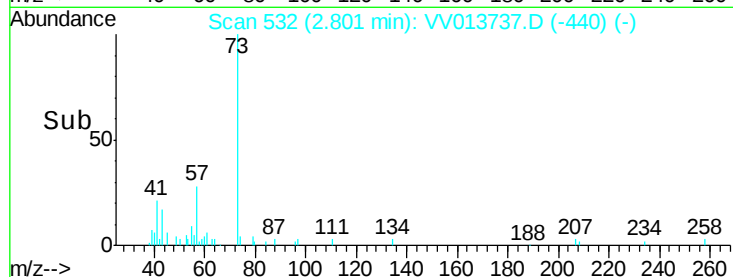
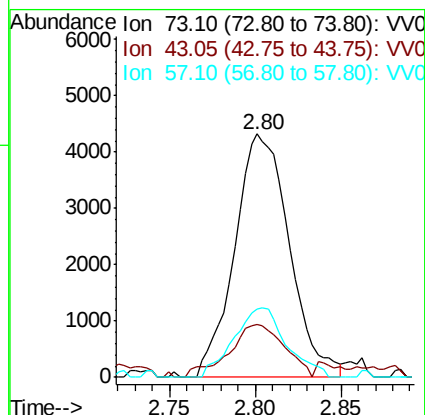
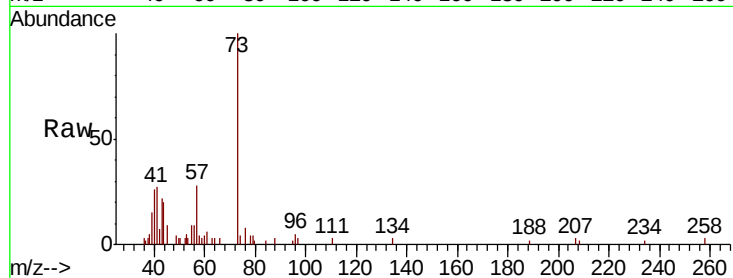




#17
Methvl tert-butvl Ether
Concen: 0.214 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013737.D
Acq: 22 Nov 2019 16:36

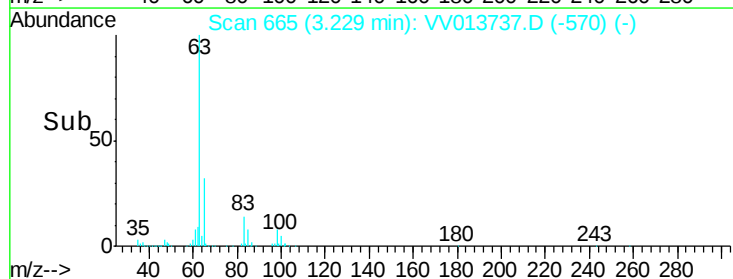
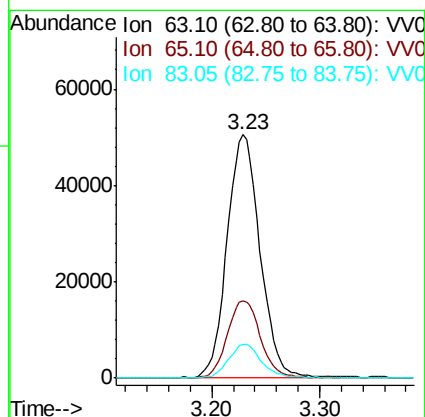
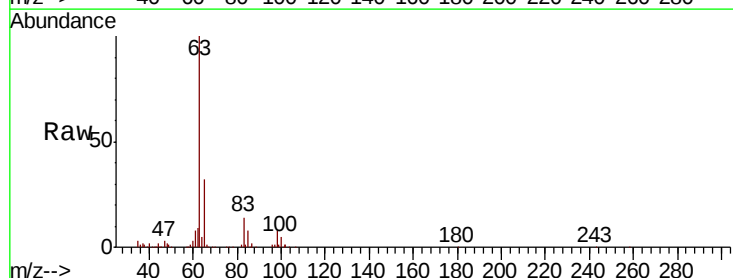
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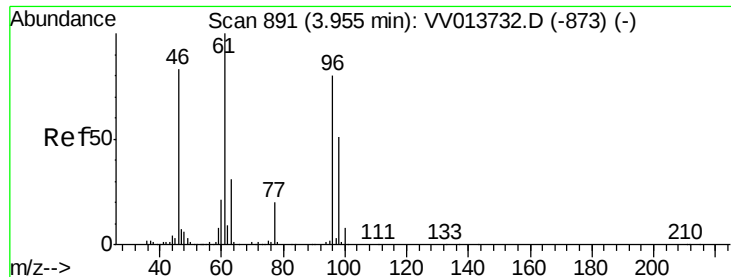
Tot Ion: 73 Resp: 9539
Ion Ratio Lower Upper
73 100
43 22.1 15.5 23.3
57 27.5 17.5 26.3#



#19
1,1-Dichloroethane
Concen: 2.940 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.01 min
Lab File: VV013737.D
Acq: 22 Nov 2019 16:36

Tgt Ion: 63 Resp: 107958
Ion Ratio Lower Upper
63 100
65 31.6 22.7 42.1
83 14.1 9.2 17.2





#22

cis-1,2-Dichloroethene

Concen: 2.051 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV013737.D

Acq: 22 Nov 2019 16:36

Instrument :

MSVOA_V

ClientSampleId :

B0AB9

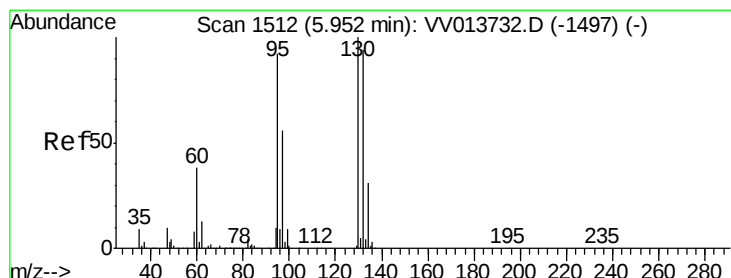
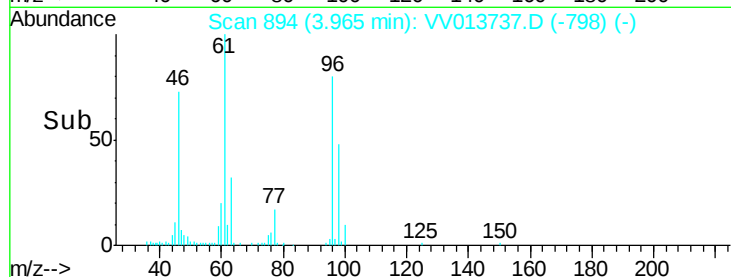
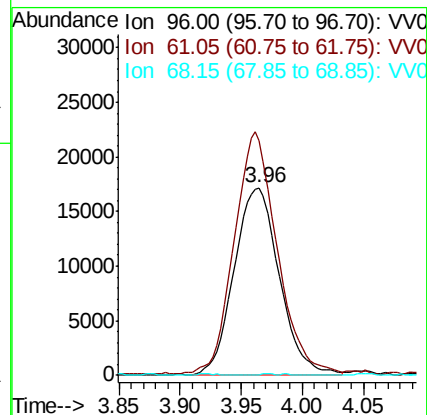
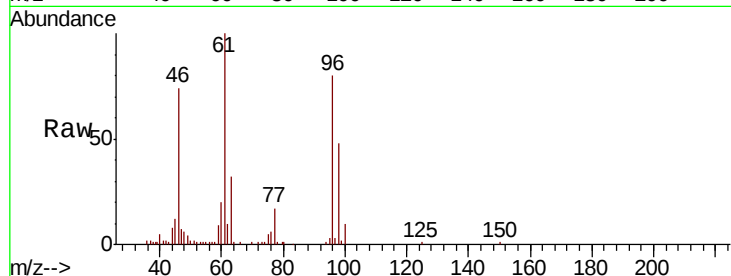
Tot Ion: 96 Resp: 44247

Ion Ratio Lower Upper

96 100

61 125.3 86.1 159.9

68 0.0 0.0 0.0



#34

Trichloroethene

Concen: 11.647 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VV013737.D

Acq: 22 Nov 2019 16:36

Tgt Ion: 95 Resp: 259619

Ion Ratio Lower Upper

95 100

97 64.7 45.6 84.8

132 103.9 70.5 130.9

130 106.7 75.9 140.9

