

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102519\
 Data File : VV013337.D
 Acq On : 25 Oct 2019 00:54
 Operator : SY/MD
 Sample : K5462-22
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G26

Manual Integrations
 APPROVED

MMDadoda
 10/26/2019 10:04:27 AM

Quant Time: Oct 25 06:01:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 25 04:42:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	403668	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	436026	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	232551	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	176390	5.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.60%
7) Chloroethane-d5	1.59	69	128306	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.13	63	186546	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.94	46	318639	55.75	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.50%
24) Chloroform-d	4.40	84	324924	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	159323	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.10	84	677501	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.12	67	207648	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.36	98	556141	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.66	79	56743	3.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.60%
46) 2-Hexanone-d5	8.13	63	183859	32.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	64.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	139915	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	237668	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	3553781	91.224	ug/L 100
17) Methyl tert-butyl Ether	2.80	73	450448	6.128	ug/L 96
18) trans-1,2-Dichloroethene	2.79	96	145972	3.901	ug/L 93
19) 1,1-Dichloroethane	3.23	63	66612	1.095	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	514941	12.859	ug/L # 90
33) Benzene	5.15	78	60790m	0.365	ug/L

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

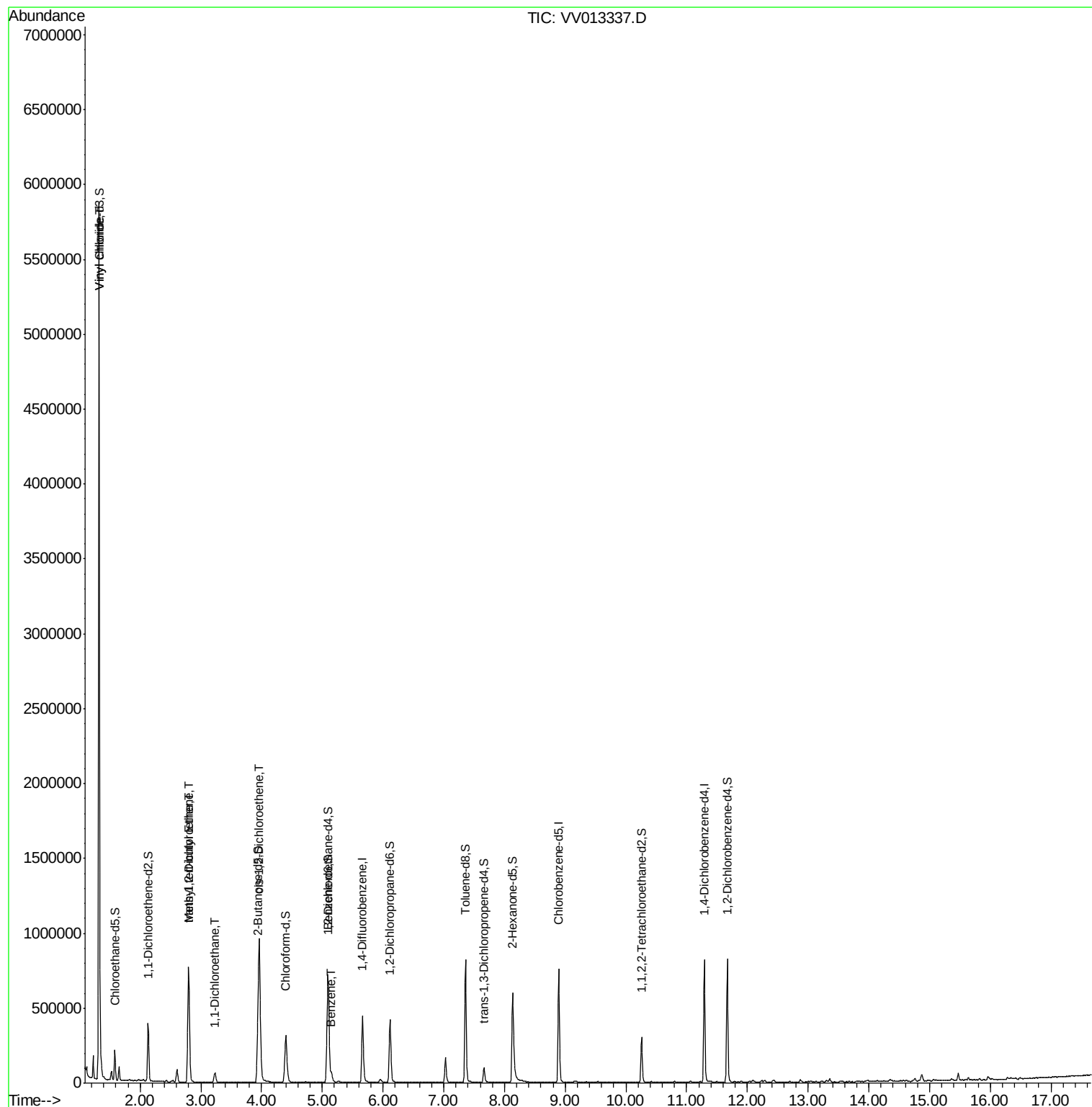
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV102519\
Data File : VV013337.D
Acq On : 25 Oct 2019 00:54
Operator : SY/MD
Sample : K5462-22
Misc : 25.0ML/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

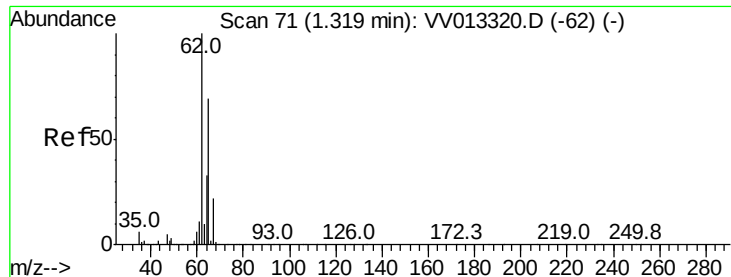
Instrument :
MSVOA_V
ClientSampleId :
H0G26

Manual Integrations
APPROVED

MMDadoda
10/26/2019 10:04:27 AM

Quant Time: Oct 25 06:01:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 91.224 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013337.D

Acq: 25 Oct 2019 00:54

Instrument :

MSVOA_V

ClientSampleId :

H0G26

Tot Ion: 62 Resp: 3553781

Ion Ratio Lower Upper

62 100

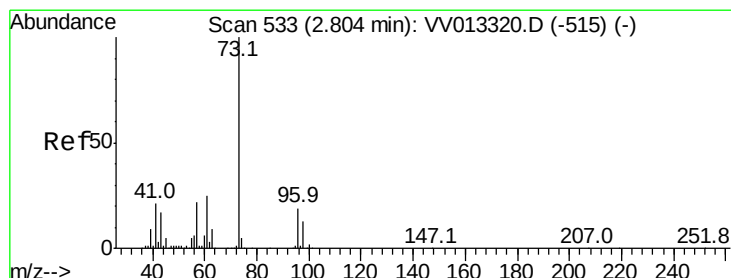
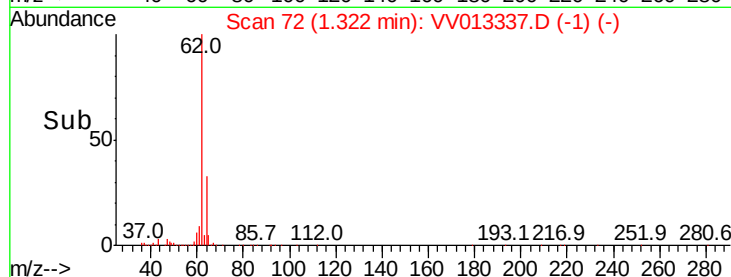
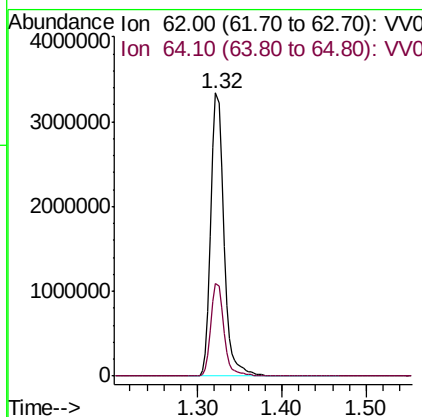
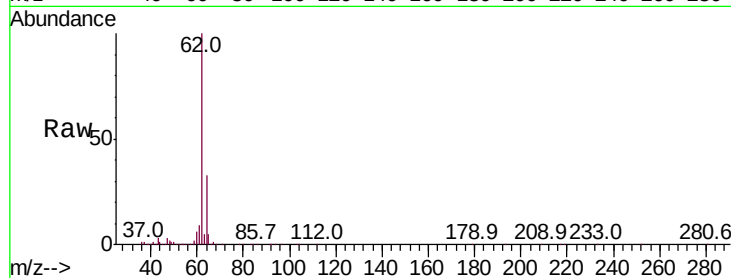
64 32.8 22.9 42.5

Manual Integrations

APPROVED

MMDadoda

10/26/2019 10:04:27 AM



#17

Methyl tert-butyl Ether

Concen: 6.128 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013337.D

Acq: 25 Oct 2019 00:54

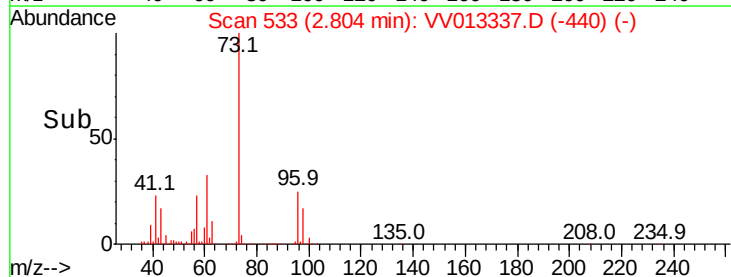
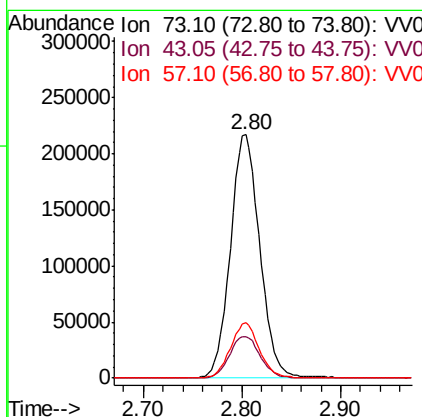
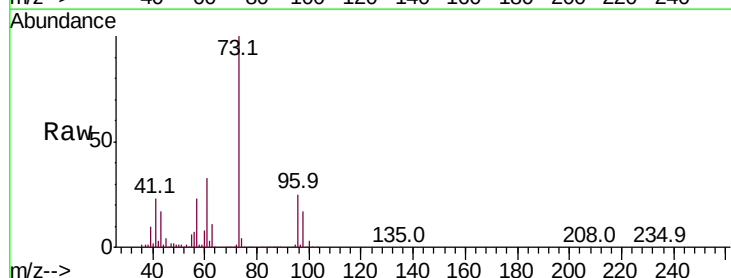
Tgt Ion: 73 Resp: 450448

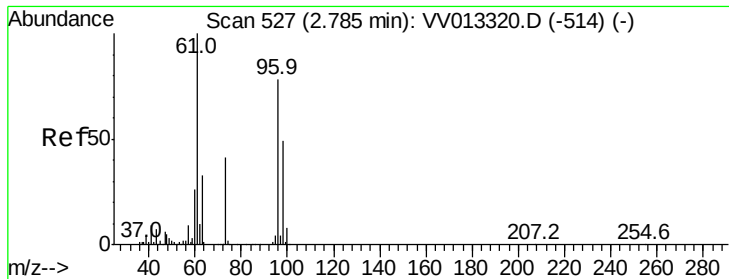
Ion Ratio Lower Upper

73 100

43 17.7 13.1 19.7

57 22.4 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 3.901 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV013337.D

Acq: 25 Oct 2019 00:54

Instrument :

MSVOA_V

ClientSampleId :

H0G26

Tot Ion: 96 Resp: 145972

Ion Ratio Lower Upper

96 100

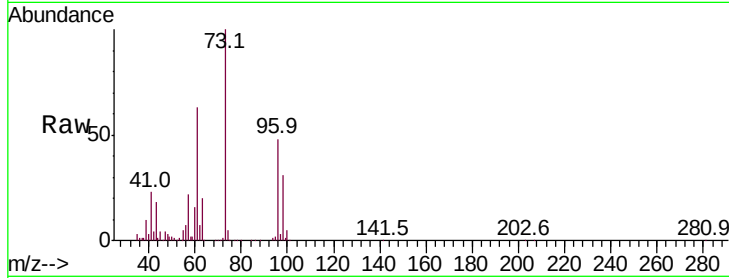
61 132.5 84.4 156.8

98 64.1 44.4 82.4

Manual Integrations
APPROVED

MMDadoda

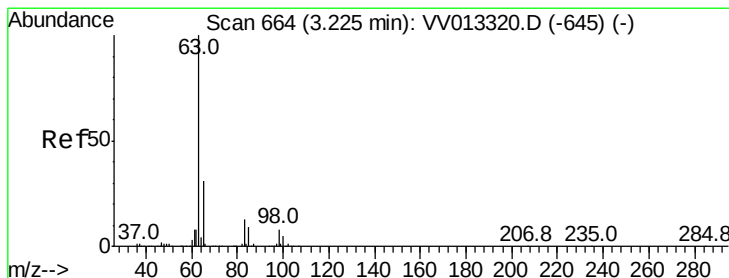
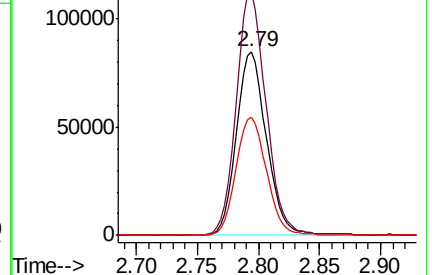
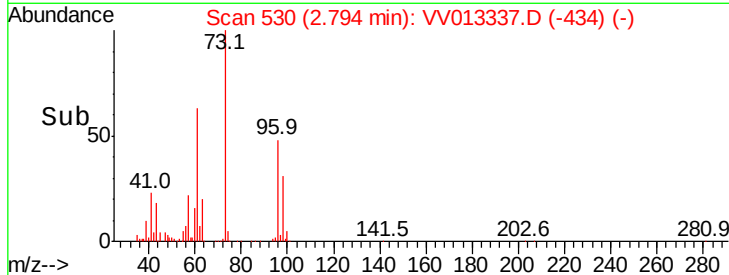
10/26/2019 10:04:27 AM



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 1.095 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV013337.D

Acq: 25 Oct 2019 00:54

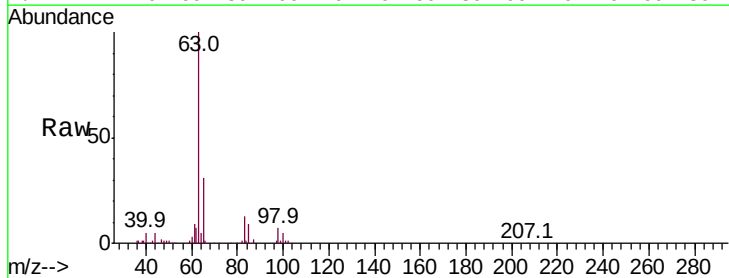
Tgt Ion: 63 Resp: 66612

Ion Ratio Lower Upper

63 100

65 31.5 23.0 42.8

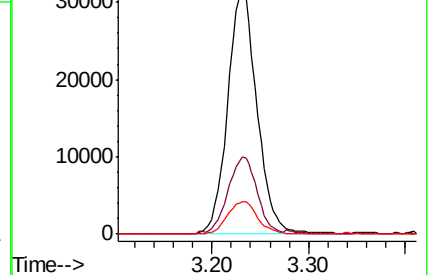
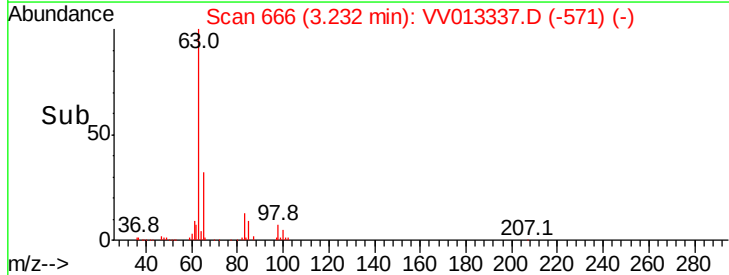
83 13.3 10.2 19.0

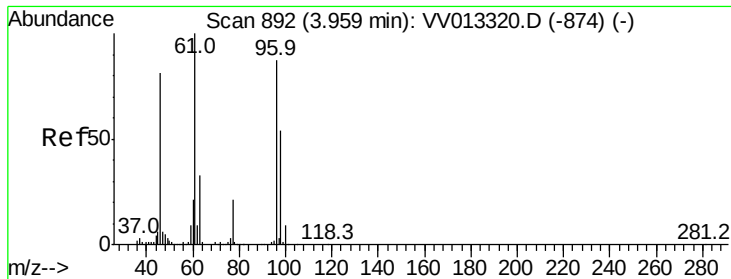


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 12.859 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013337.D

Acq: 25 Oct 2019 00:54

Instrument :

MSVOA_V

ClientSampleId :

H0G26

Tot Ion: 96 Resp: 514941

Ion Ratio Lower Upper

96 100

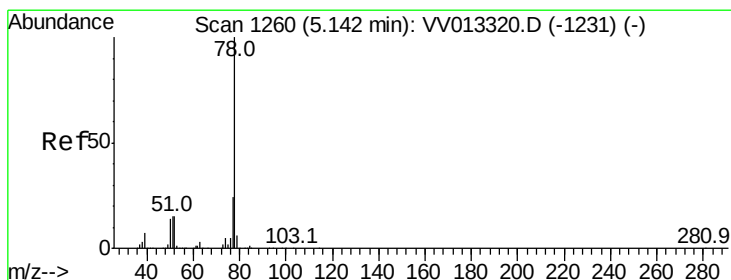
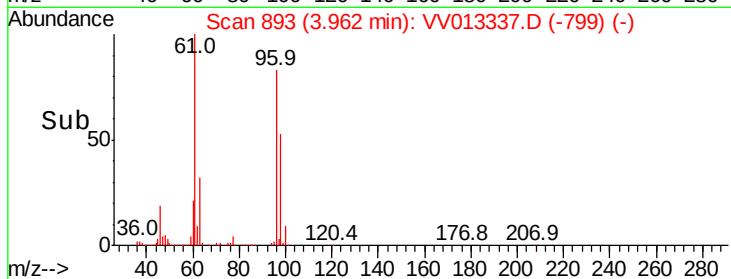
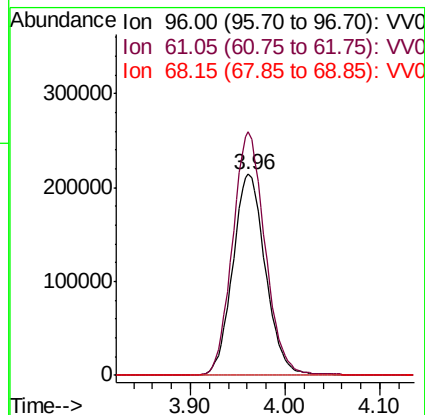
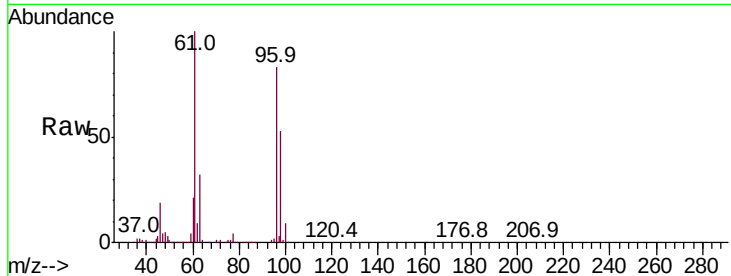
61 121.1 77.3 143.7

68 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

10/26/2019 10:04:27 AM



#33

Benzene

Concen: 0.365 ug/L m

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV013337.D

Acq: 25 Oct 2019 00:54

Tgt Ion: 78 Resp: 60790

