

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102519\
 Data File : VV013332.D
 Acq On : 24 Oct 2019 22:55
 Operator : SY/MD
 Sample : K5462-17
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G15

Manual Integrations
 APPROVED

MMDadoda
 10/26/2019 10:04:16 AM

Quant Time: Oct 25 05:43:33 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	419843	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	445979	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	238029	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	151626	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	131550	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.13	63	182600	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	3.96	46	391001	65.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.56%#
24) Chloroform-d	4.40	84	325747	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.08	65	162957	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	675995	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.12	67	213812	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.36	98	568945	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.66	79	61386	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	8.13	63	220855	37.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	141583	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	236340	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	269261	6.646	ug/L 99
8) Chloroethane	1.60	64	3718	0.154	ug/L 92
17) Methyl tert-butyl Ether	2.80	73	6856472	89.688	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	136326	3.503	ug/L 92
19) 1,1-Dichloroethane	3.23	63	112342	1.776	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	1289859	30.969	ug/L # 91
33) Benzene	5.15	78	69267m	0.407	ug/L
34) Trichloroethene	5.96	95	947500	20.735	ug/L 97
47) Tetrachloroethene	8.02	164	29468	0.710	ug/L 93

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

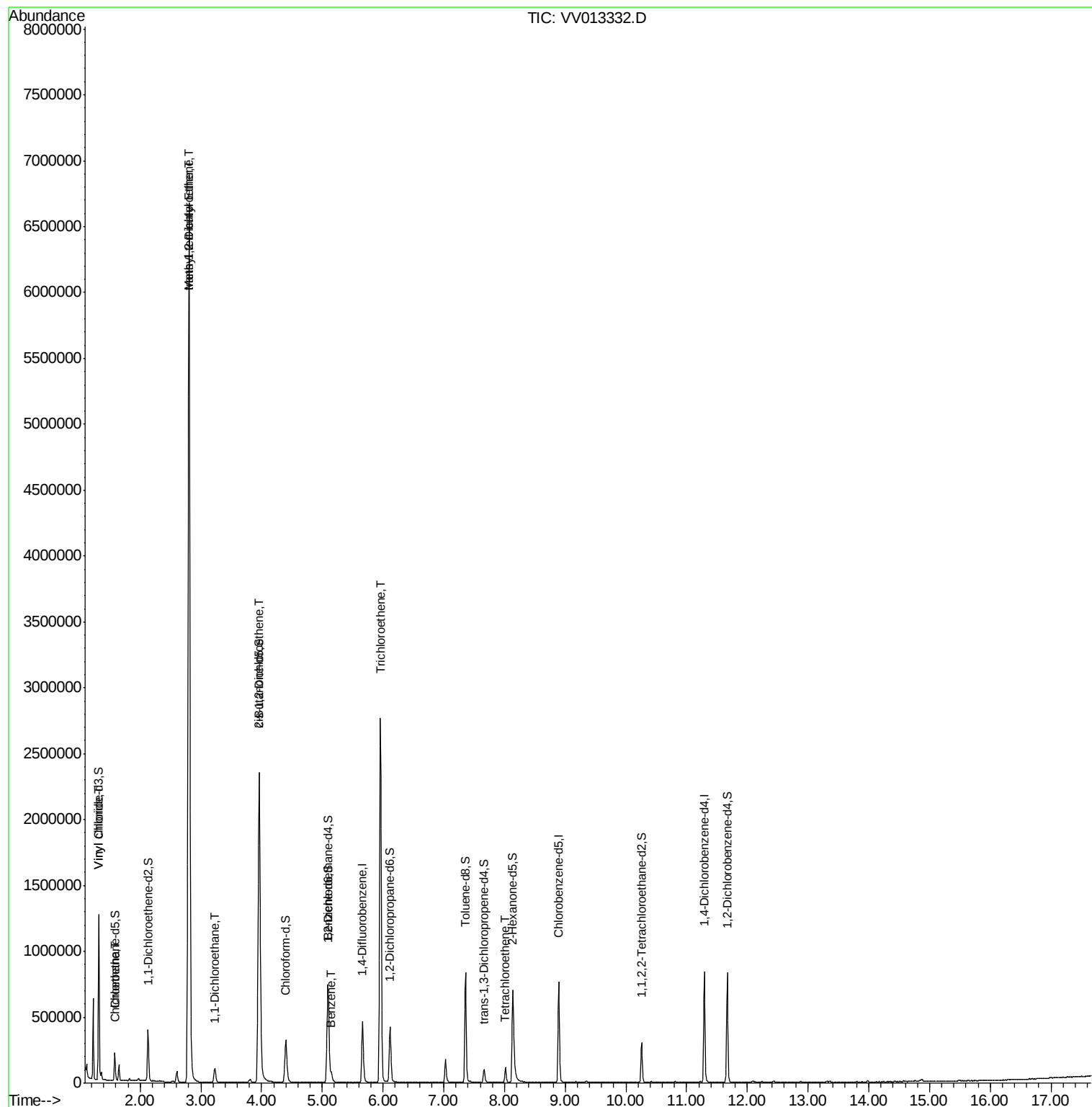
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV102519\
Data File : VV013332.D
Acq On : 24 Oct 2019 22:55
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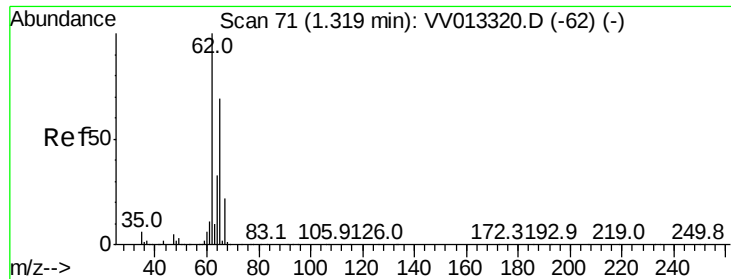
Instrument :
MSVOA_V
ClientSampleId :
H0G15

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Quant Time: Oct 25 05:43:33 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: 6.646 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013332.D

Acq: 24 Oct 2019 22:55

Instrument :

MSVOA_V

ClientSampleId :

H0G15

Tot Ion: 62 Resp: 269261

Ion Ratio Lower Upper

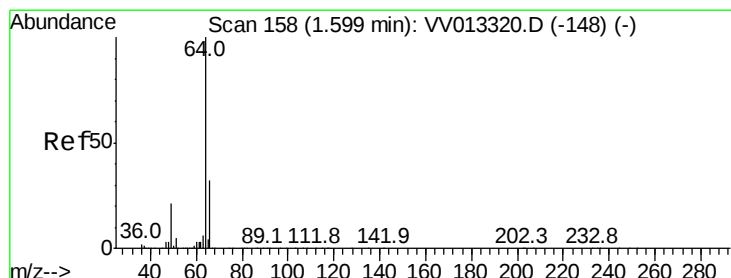
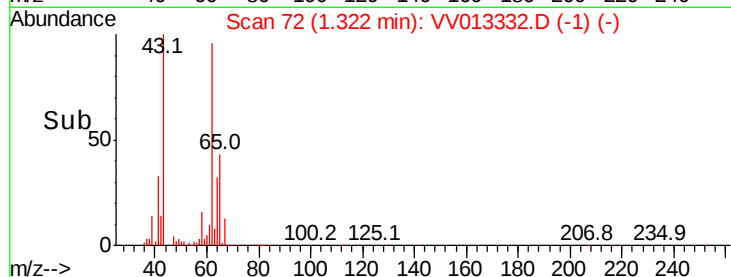
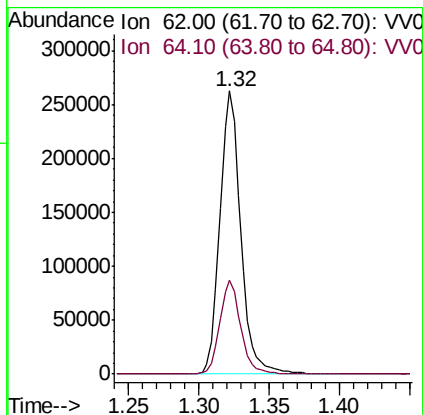
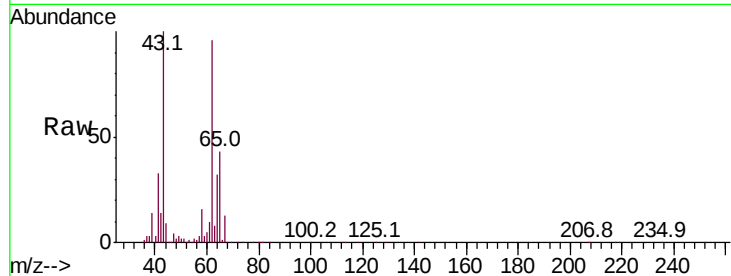
62 100

64 33.1 22.9 42.5

Manual Integrations
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#8

Chloroethane

Concen: 0.154 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV013332.D

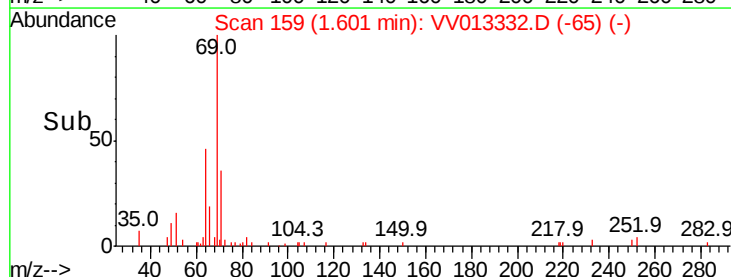
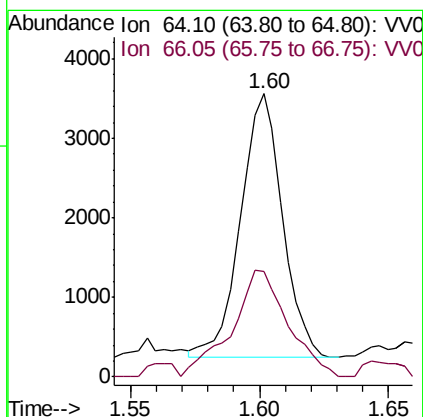
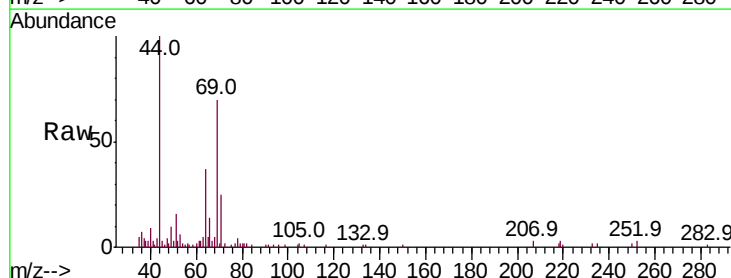
Acq: 24 Oct 2019 22:55

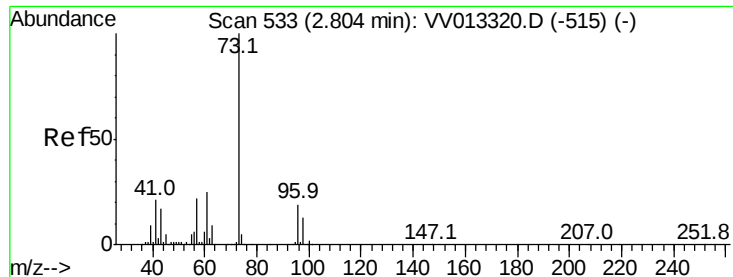
Tgt Ion: 64 Resp: 3718

Ion Ratio Lower Upper

64 100

66 37.0 22.7 42.3





#17

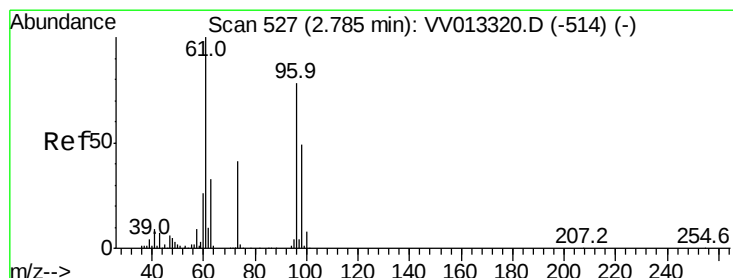
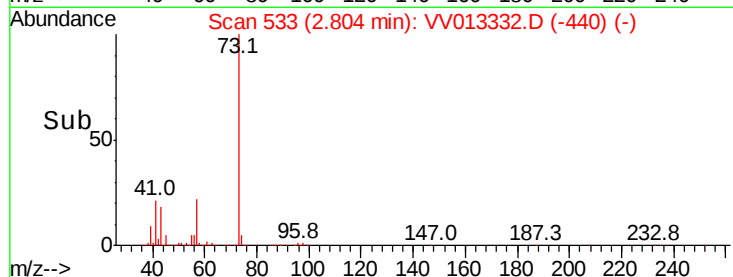
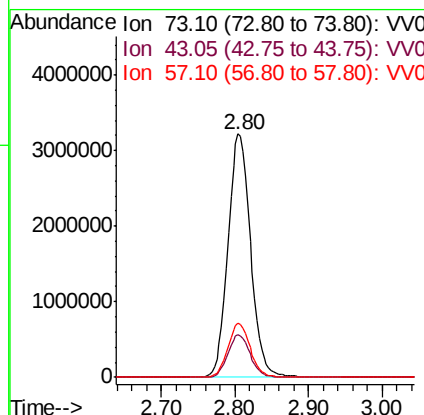
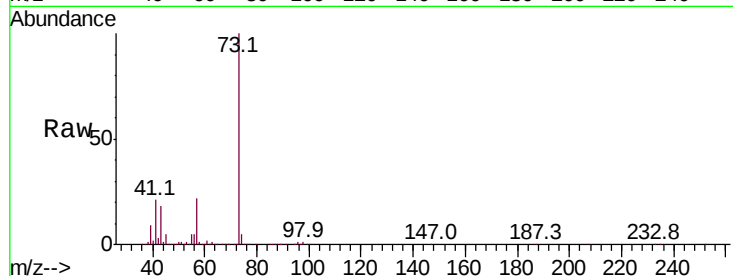
Methvl tert-butvl Ether
Concen: 89.688 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013332.D
Acq: 24 Oct 2019 22:55

Instrument :
MSVOA_V
ClientSampleId :
H0G15

Tot Ion	Ratio	Lower	Upper
73	100		
43	17.4	13.1	19.7
57	22.1	16.4	24.6

Manual Integrations
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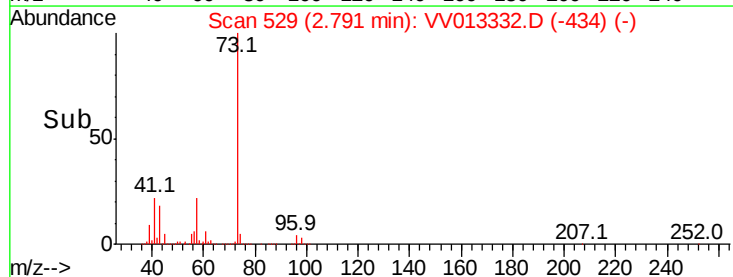
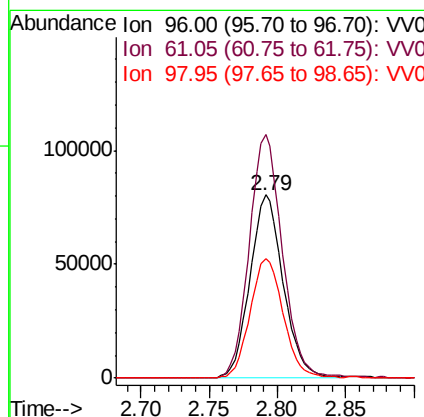
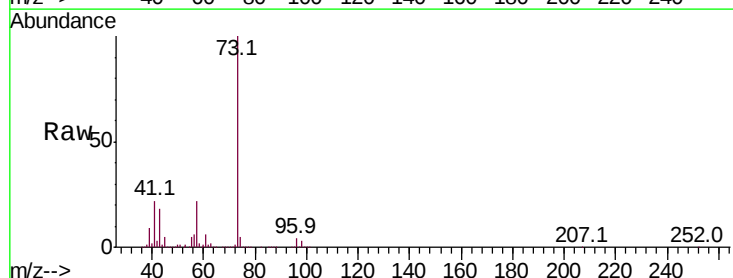
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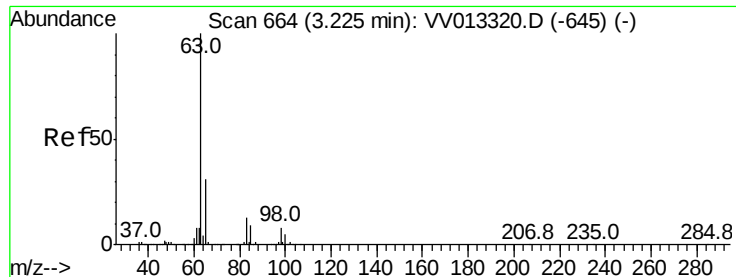


#18

trans-1,2-Dichloroethene
Concen: 3.503 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV013332.D
Acq: 24 Oct 2019 22:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.9	84.4	156.8
98	65.4	44.4	82.4





#19

1,1-Dichloroethane

Concen: 1.776 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013332.D

Acq: 24 Oct 2019 22:55

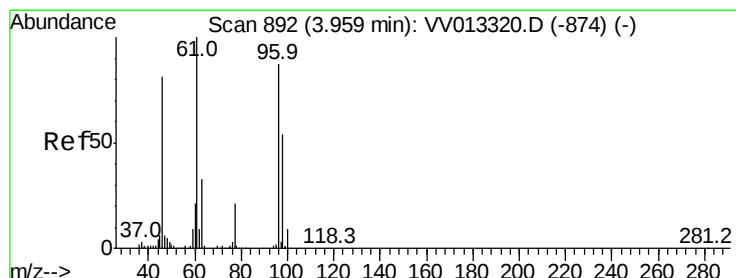
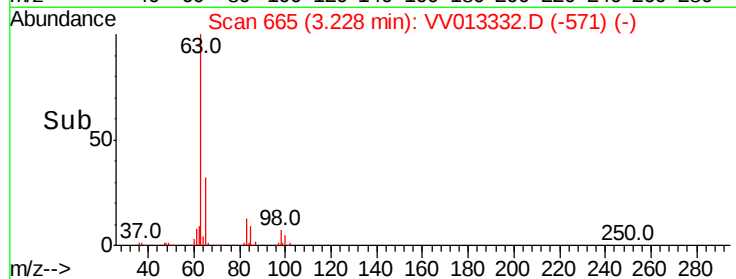
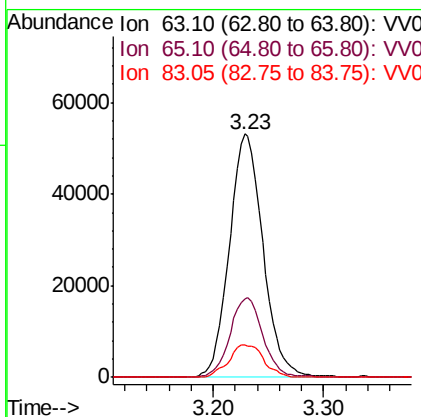
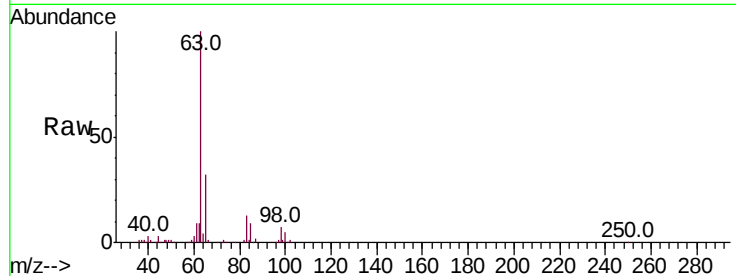
Instrument :
MSVOA_V

ClientSampled :
H0G15

Tot Ion	Ratio	Resp	Lower	Upper
63	100	112342		
65	32.3	23.0	42.8	
83	13.3	10.2	19.0	

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#22

cis-1,2-Dichloroethene

Concen: 30.969 ug/L

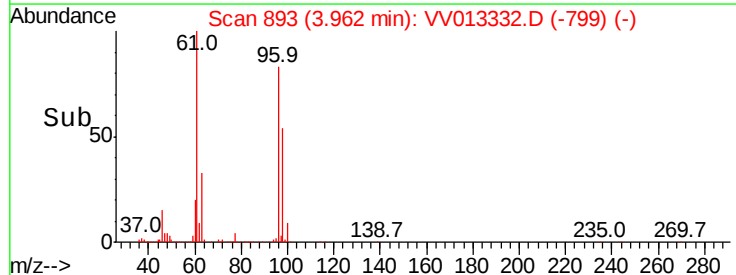
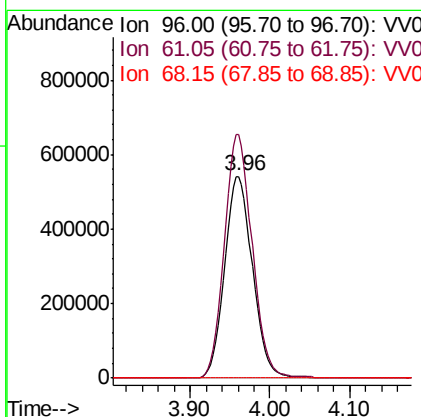
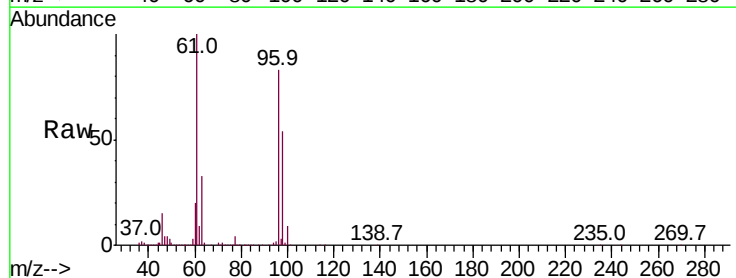
RT: 3.96 min Scan# 893

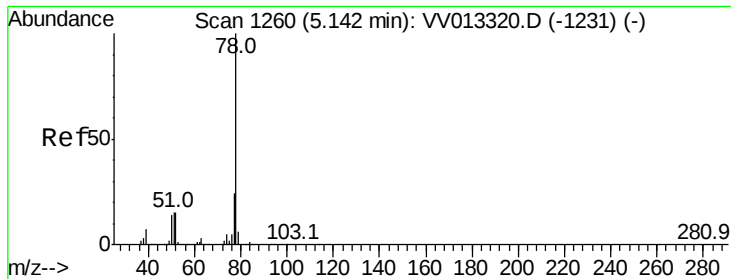
Delta R.T. 0.00 min

Lab File: VV013332.D

Acq: 24 Oct 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	1289859		
61	120.4	77.3	143.7	
68	0.0	0.1	0.1#	





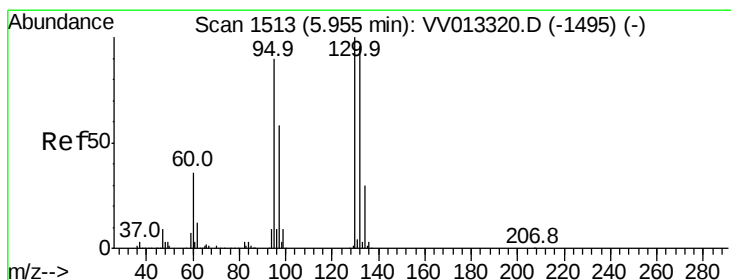
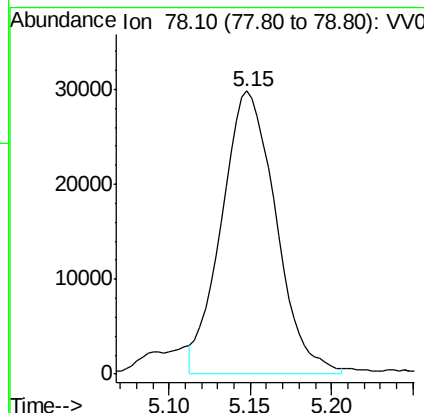
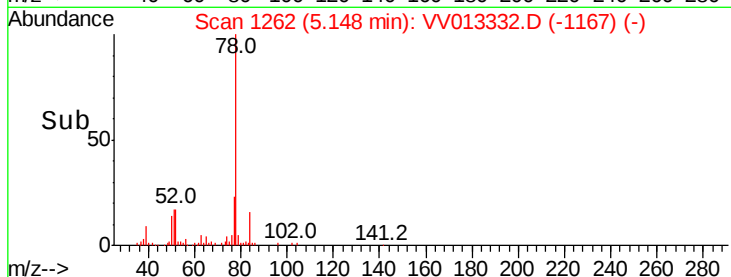
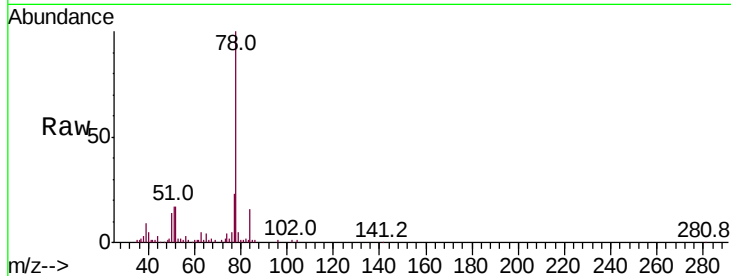
#33
Benzene
Concen: 0.407 ug/L m
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV013332.D
Acq: 24 Oct 2019 22:55

Instrument :
MSVOA_V
ClientSampleId :
H0G15

Tgt Ion: 78 Resp: 69267

Manual Integrations
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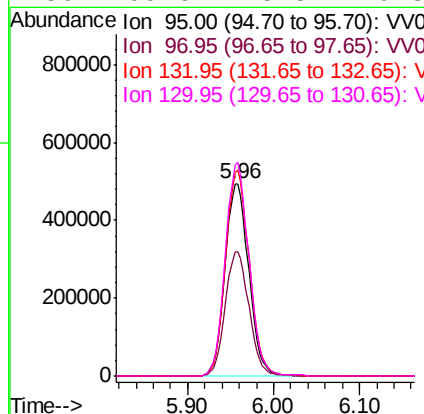
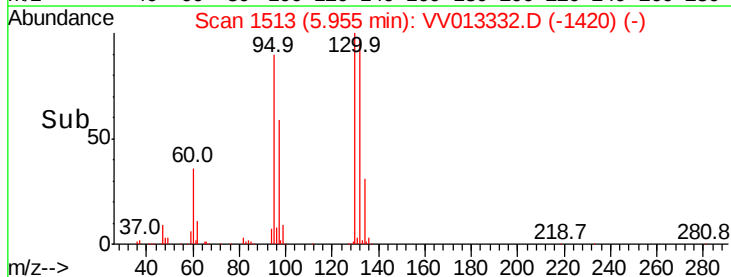
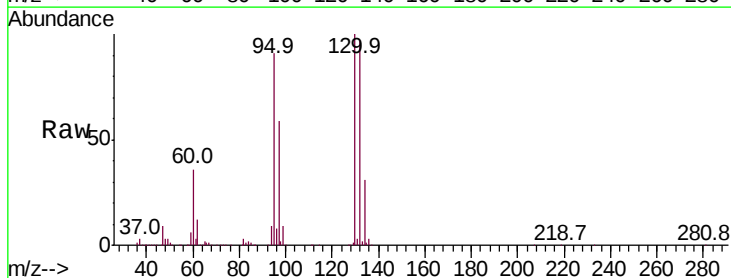
MMDadoda
10/26/2019 10:04:16 AM

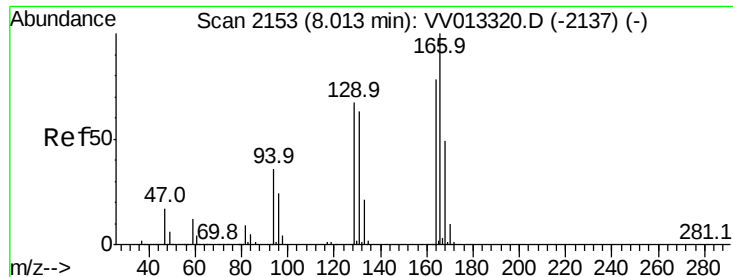


#34
Trichloroethene
Concen: 20.735 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV013332.D
Acq: 24 Oct 2019 22:55

Tgt Ion: 95 Resp: 947500

Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.2	84.0
132	106.0	70.6	131.2
130	109.6	75.5	140.3





#47

Tetrachloroethene

Concen: 0.710 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013332.D

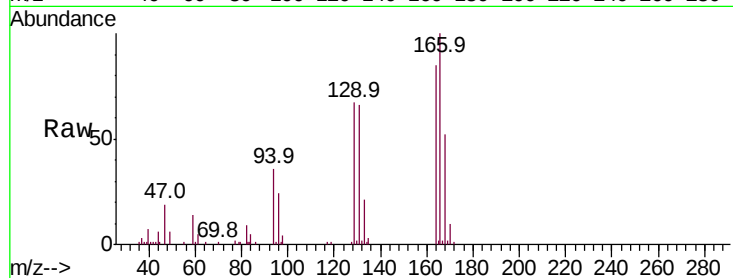
Acq: 24 Oct 2019 22:55

Instrument :
MSVOA_V
ClientSampleId :
H0G15

Tot Ion:	164	Resp:	29468
Ion Ratio	Lower	Upper	
164	100		
129	78.8	61.0	113.2
131	77.5	57.5	106.9
166	117.2	87.8	163.0

Manual Integrations
APPROVED

MMDadoda
10/26/2019 10:04:16 AM



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

