

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112519\
 Data File : VV013762.D
 Acq On : 25 Nov 2019 13:48
 Operator : SY/MD
 Sample : K5941-20
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AD8

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 2:04:18 PM

Quant Time: Nov 26 06:15:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 26 04:36:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	331009	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	341102	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	145298	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	94500	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.58	69	85870	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.14	63	568740	16.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	329.80%#
20) 2-Butanone-d5	3.92	46	281073	65.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.98%#
24) Chloroform-d	4.40	84	204240	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.08	65	106258	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.09	84	395471	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.11	67	125023	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	324571	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
43) trans-1,3-Dichloropropene-	7.66	79	37851	3.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.20%
46) 2-Hexanone-d5	8.13	63	205679	54.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	97974	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	136198	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	294794	14.907	ug/L #	58
8) Chloroethane	1.60	64	69158	5.804	ug/L #	74
12) 1,1-Dichloroethene	2.14	96	872257	54.809	ug/L #	66
13) Acetone	2.18	43	7552m	2.536	ug/L	
14) Carbon disulfide	2.32	76	10577	0.288	ug/L	98
16) Methylene chloride	2.53	84	3877	0.178	ug/L	88
18) trans-1,2-Dichloroethene	2.79	96	198658	11.054	ug/L	98
19) 1,1-Dichloroethane	3.23	63	352068	9.813	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	61068	2.898	ug/L	98
27) 1,2-Dichloroethane	5.18	62	52081	2.393	ug/L #	94
33) Benzene	5.15	78	7348	0.088	ug/L	100
34) Trichloroethene	5.96	95	211612	9.168	ug/L	97
37) 1,2-Dichloropropane	6.22	63	4710	0.219	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	9797	0.639	ug/L	93

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

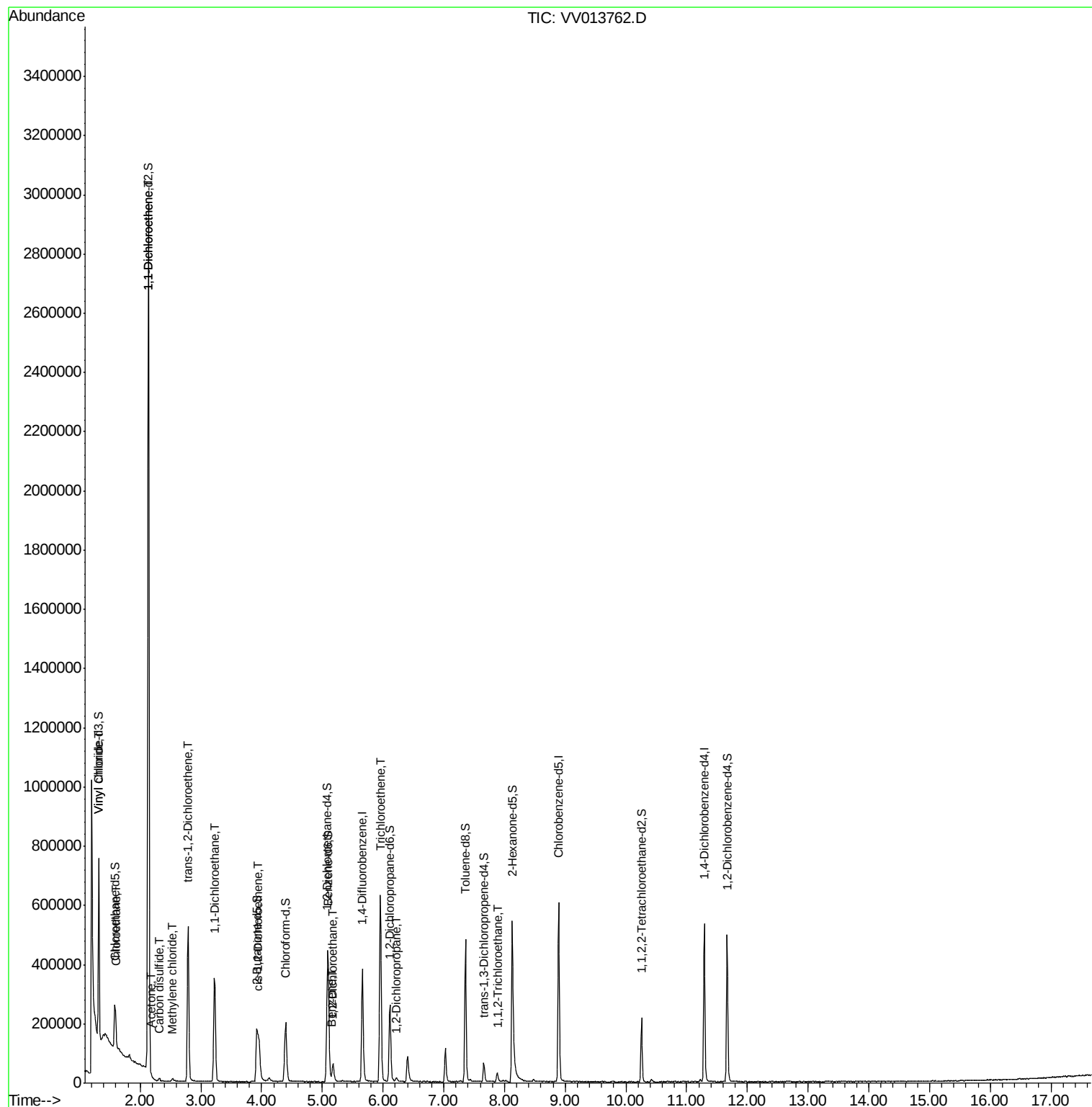
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112519\
Data File : VV013762.D
Acq On : 25 Nov 2019 13:48
Operator : SY/MD
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Misc : 25.0mL/MSVOA V/WATER
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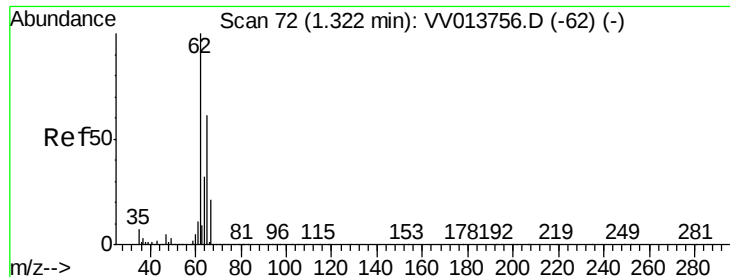
Instrument :
MSVOA_V
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B0AD8

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Quant Time: Nov 26 06:15:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 04:36:55 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 14.907 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013762.D

Acq: 25 Nov 2019 13:48

Instrument :

MSVOA_V

ClientSampleID :

B0AD8

Tot Ion: 62 Resp: 294794

Ion Ratio Lower Upper

62 100

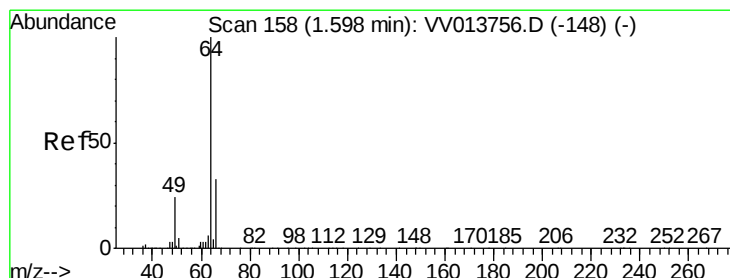
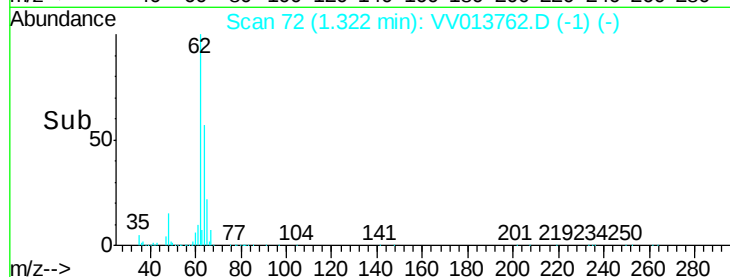
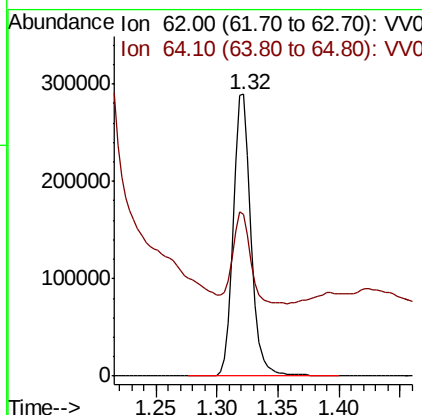
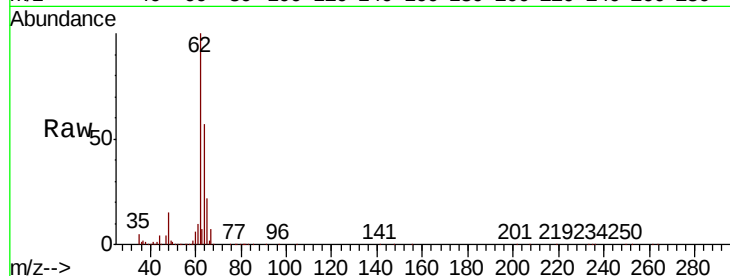
64 57.4 23.3 43.3#

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#8

Chloroethane

Concen: 5.804 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013762.D

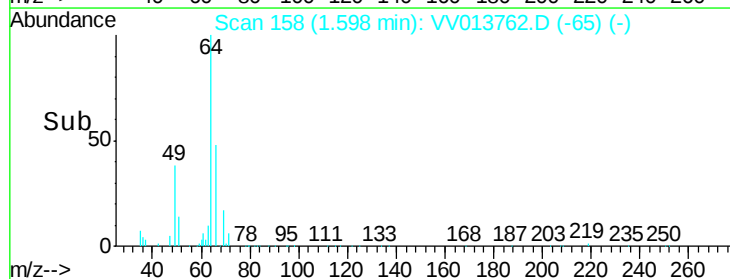
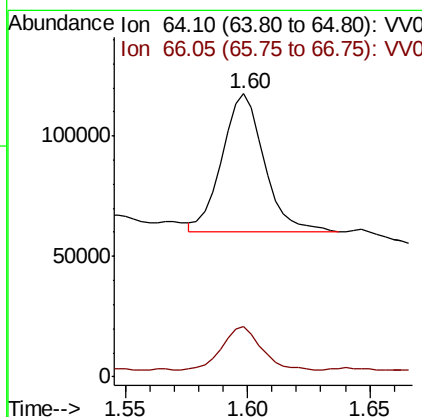
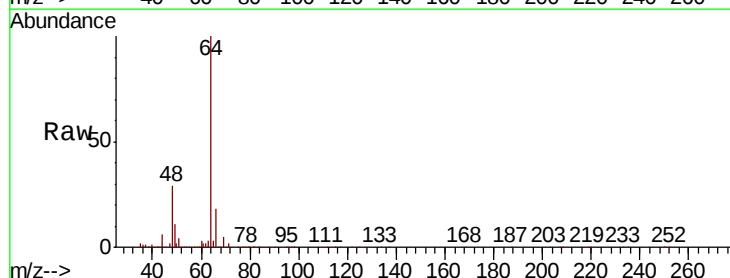
Acq: 25 Nov 2019 13:48

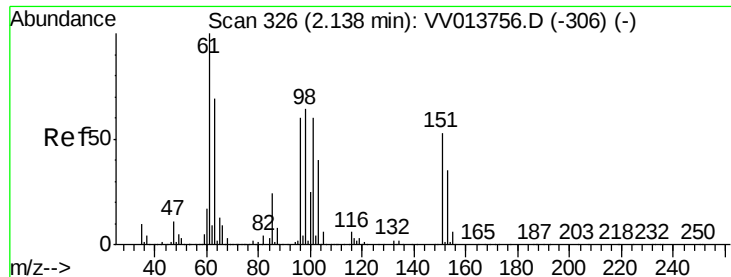
Tgt Ion: 64 Resp: 69158

Ion Ratio Lower Upper

64 100

66 17.6 22.6 42.0#





#12

1,1-Dichloroethene

Concen: 54.809 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013762.D

Acq: 25 Nov 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

B0AD8

Tot Ion: 96 Resp: 872257

Ion Ratio Lower Upper

96 100

61 157.8 116.3 215.9

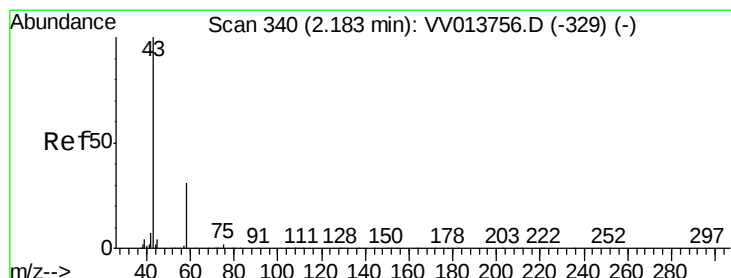
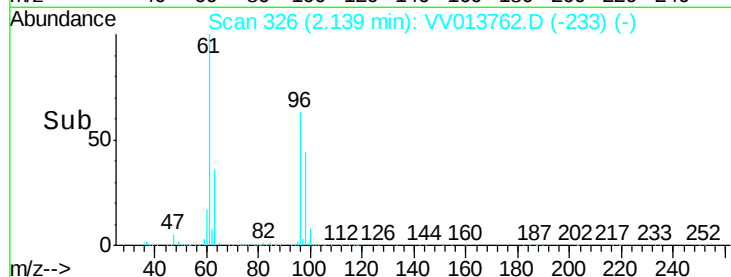
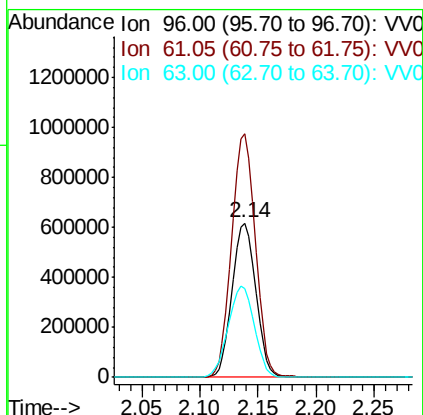
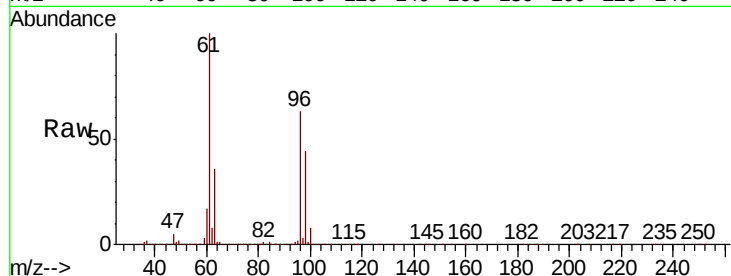
63 57.3 96.7 179.7#

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#13

Acetone

Concen: 2.536 ug/L m

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013762.D

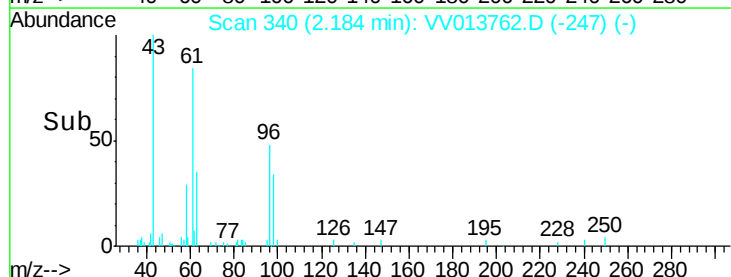
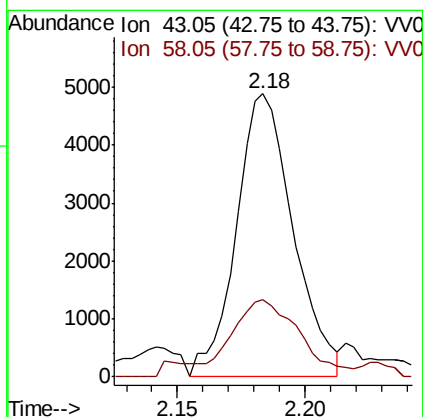
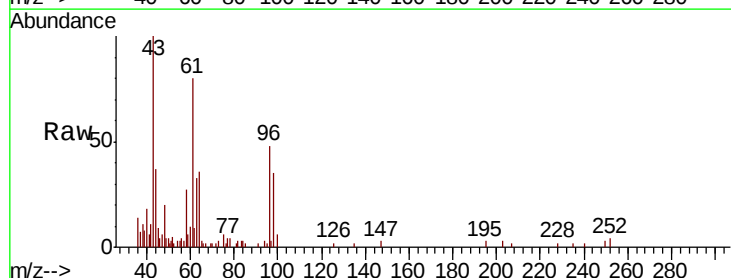
Acq: 25 Nov 2019 13:48

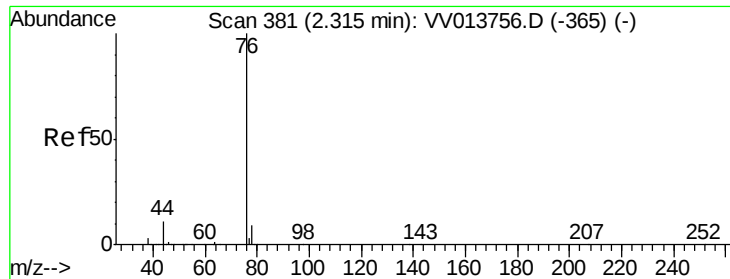
Tgt Ion: 43 Resp: 7552

Ion Ratio Lower Upper

43 100

58 2.5 0.0 27.2





#14

Carbon disulfide

Concen: 0.288 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013762.D

Acq: 25 Nov 2019 13:48

Instrument :

MSVOA_V

ClientSampleId :

B0AD8

Tot Ion: 76 Resp: 10577

Ion Ratio Lower Upper

76 100

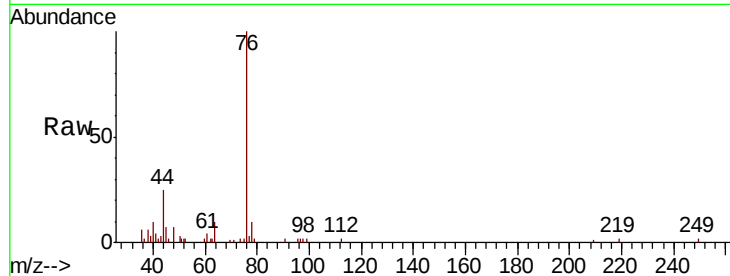
78 10.2 7.5 11.3

Manual Integrations

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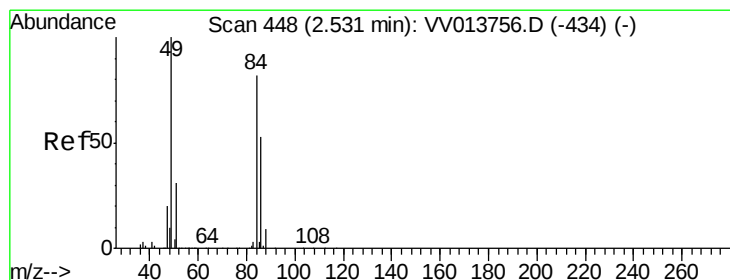
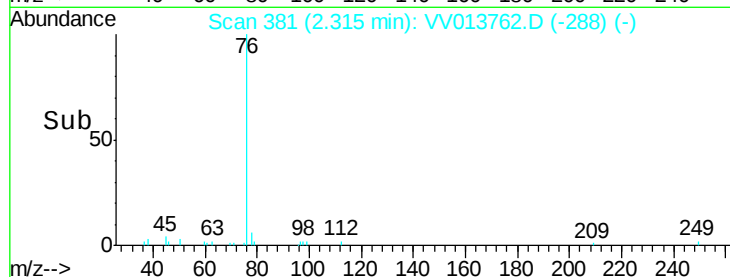
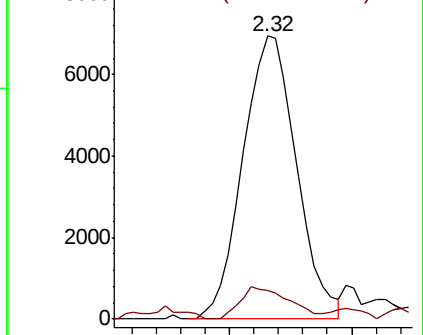
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Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.178 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV013762.D

Acq: 25 Nov 2019 13:48

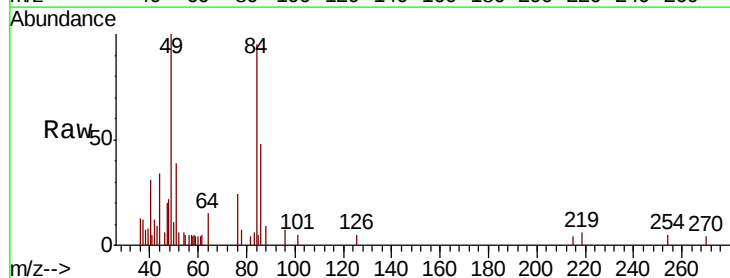
Tgt Ion: 84 Resp: 3877

Ion Ratio Lower Upper

84 100

86 50.6 44.0 81.6

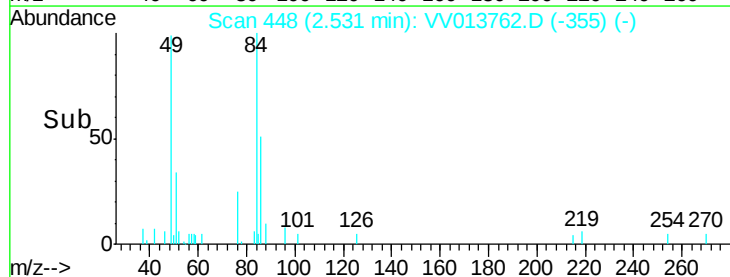
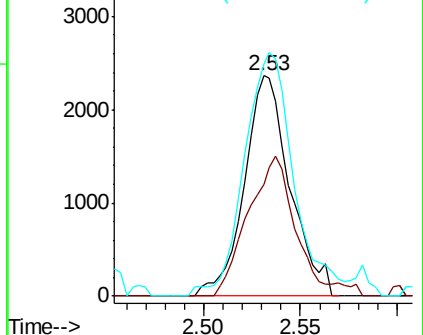
49 105.0 81.5 151.5

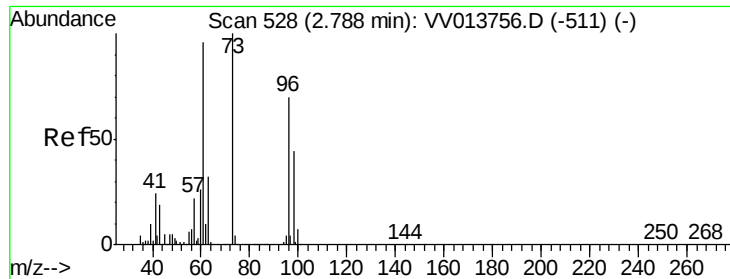


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 11.054 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013762.D

Acq: 25 Nov 2019 13:48

Instrument :

MSVOA_V

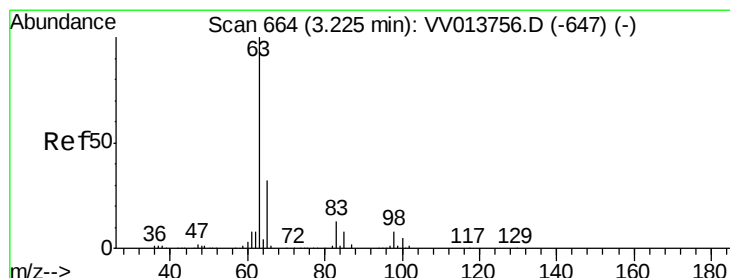
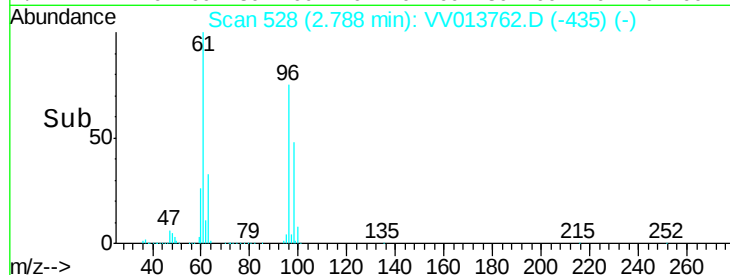
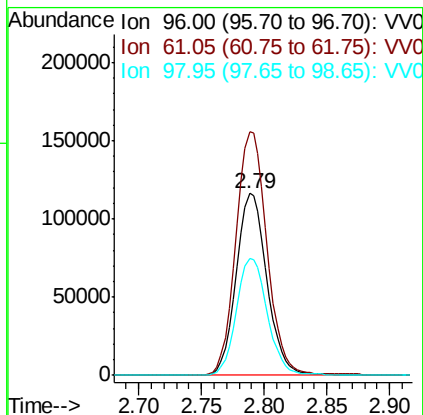
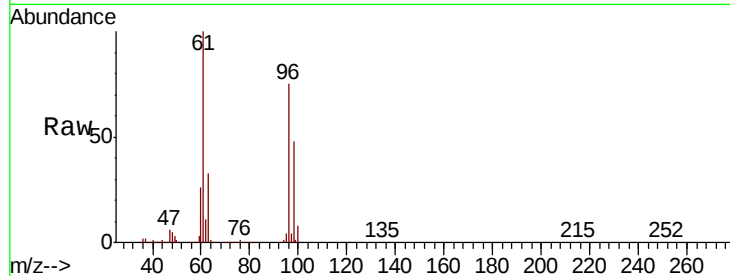
ClientSampleId :

B0AD8

Tot Ion:	96	Resp:	198658
Ion Ratio	Lower	Upper	
96	100		
61	134.0	95.1	176.7
98	64.2	46.5	86.3

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#19

1,1-Dichloroethane

Concen: 9.813 ug/L

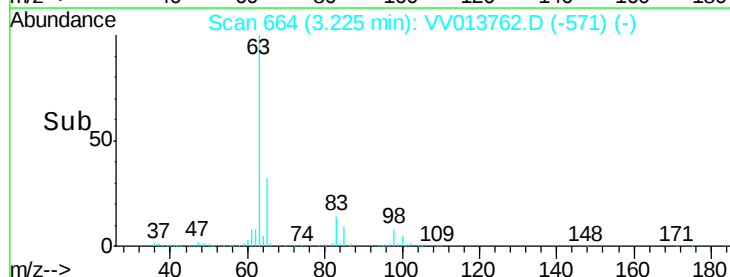
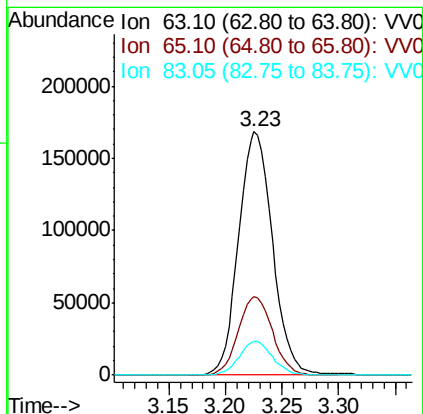
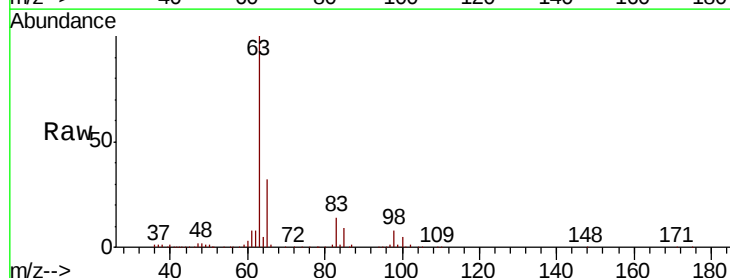
RT: 3.23 min Scan# 664

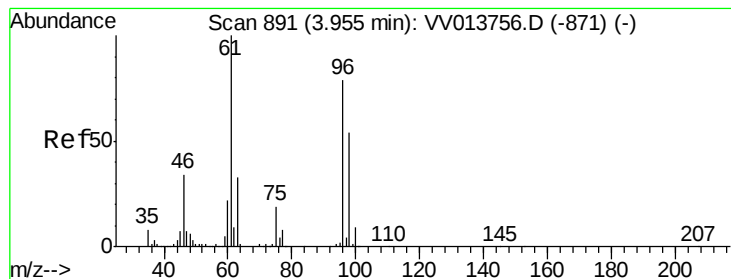
Delta R.T. 0.00 min

Lab File: VV013762.D

Acq: 25 Nov 2019 13:48

Tgt Ion:	63	Resp:	352068
Ion Ratio	Lower	Upper	
63	100		
65	32.3	22.7	42.1
83	14.0	9.2	17.2





#22

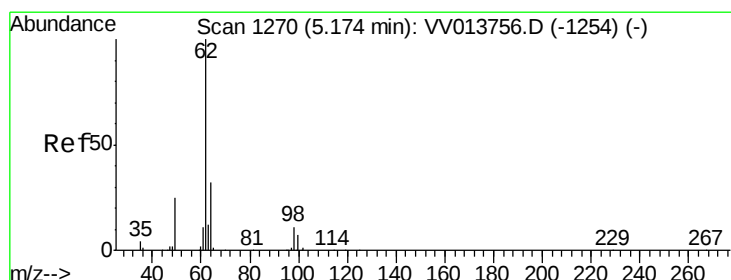
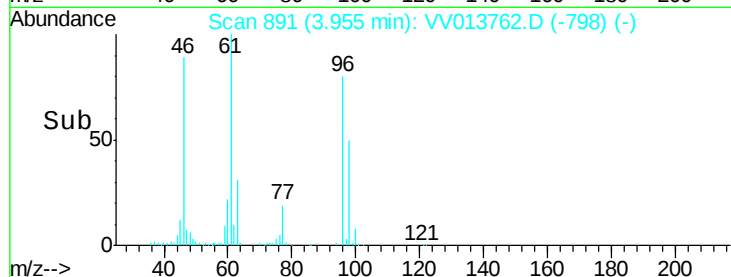
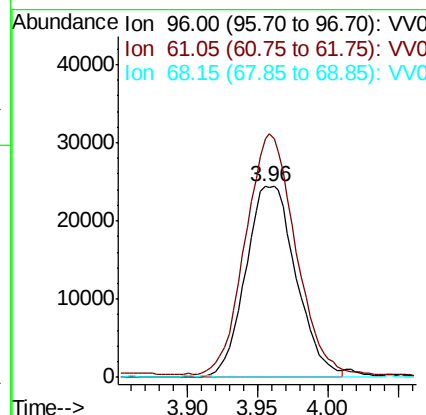
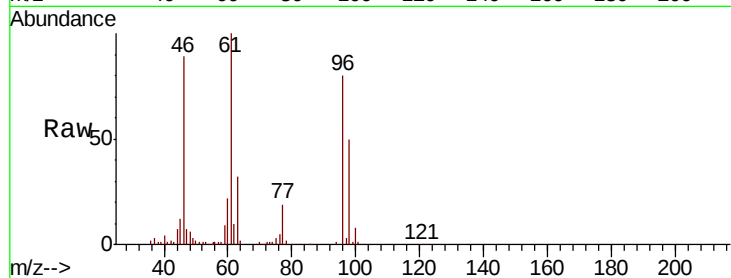
cis-1,2-Dichloroethene
Concen: 2.898 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV013762.D
Acq: 25 Nov 2019 13:48

Instrument :
MSVOA_V
ClientSampled :
B0AD8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	124.8		86.1	159.9	
68	0.0		0.0	0.0	

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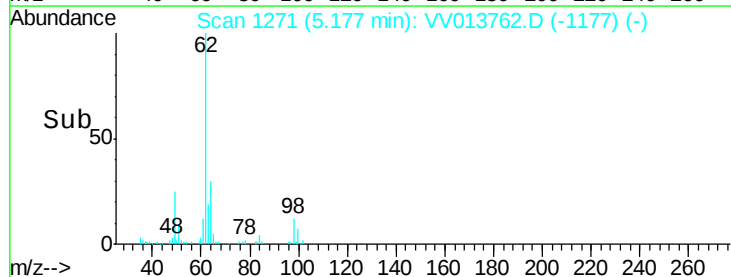
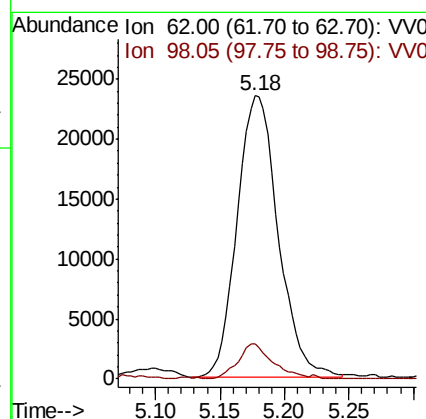
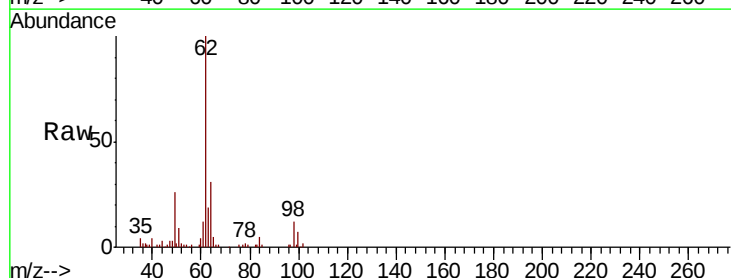
MMDadoda
11/26/2019 2:04:18 PM

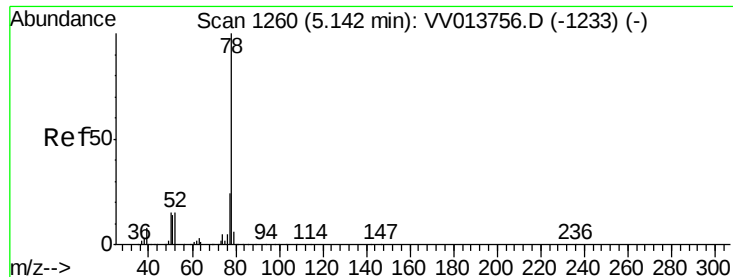


#27

1,2-Dichloroethane
Concen: 2.393 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013762.D
Acq: 25 Nov 2019 13:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	12.3		8.2	12.2	





#33

Benzene

Concen: 0.088 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV013762.D

Acq: 25 Nov 2019 13:48

Instrument :

MSVOA_V

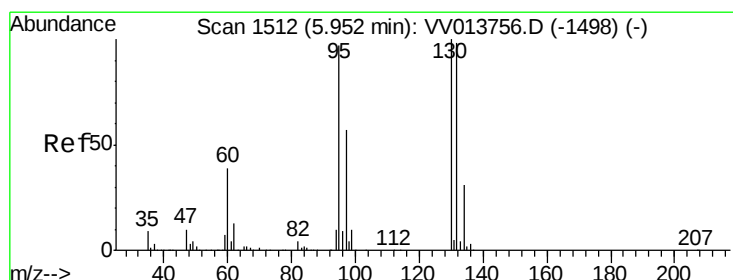
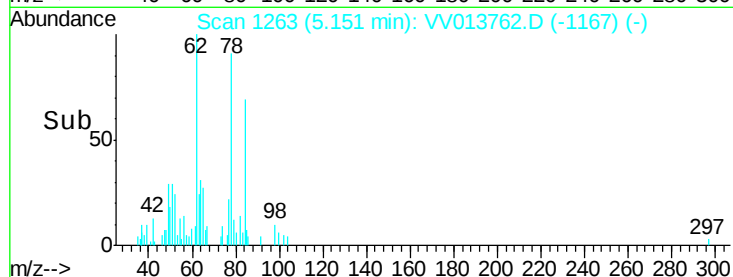
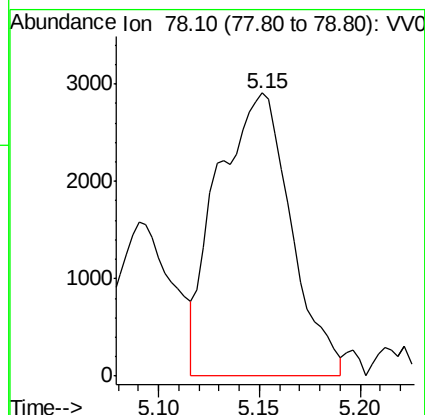
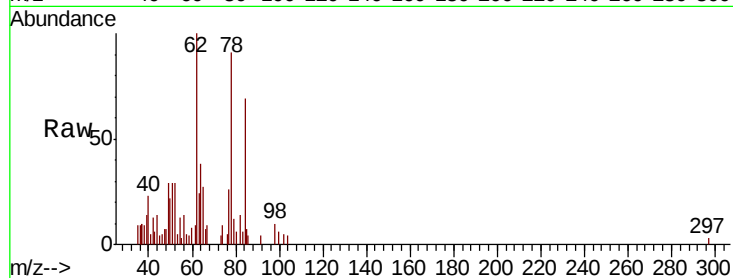
ClientSampleId :

B0AD8

Tgt Ion: 78 Resp: 7348

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#34

Trichloroethene

Concen: 9.168 ug/L

RT: 5.96 min Scan# 1513

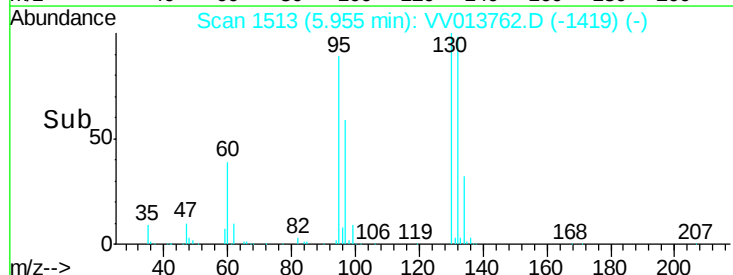
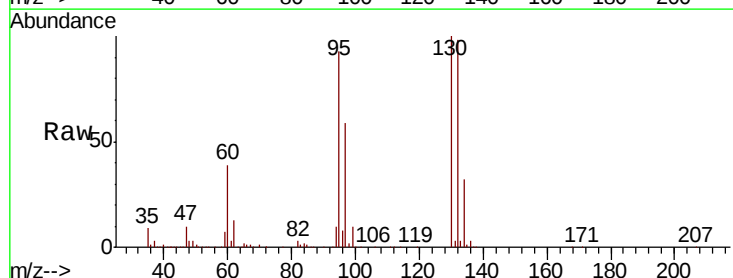
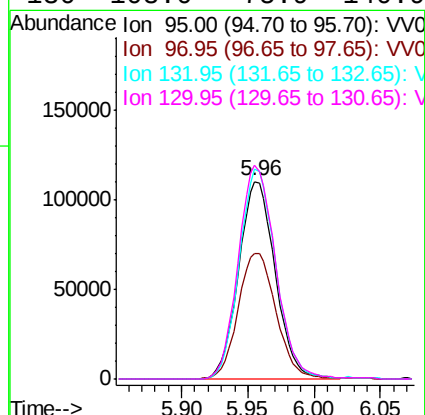
Delta R.T. 0.00 min

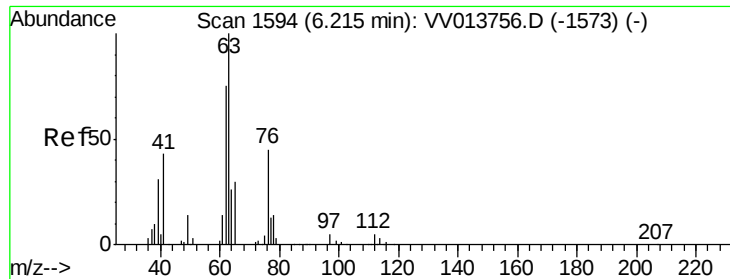
Lab File: VV013762.D

Acq: 25 Nov 2019 13:48

Tgt Ion: 95 Resp: 211612

Ion	Ratio	Lower	Upper
95	100		
97	63.4	45.6	84.8
132	106.0	70.5	130.9
130	108.0	75.9	140.9





#37

1,2-Dichloropropane

Concen: 0.219 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013762.D

Acq: 25 Nov 2019 13:48

Instrument :

MSVOA_V

ClientSampled :

B0AD8

Tot Ion: 63 Resp: 4710

Ion Ratio Lower Upper

63 100

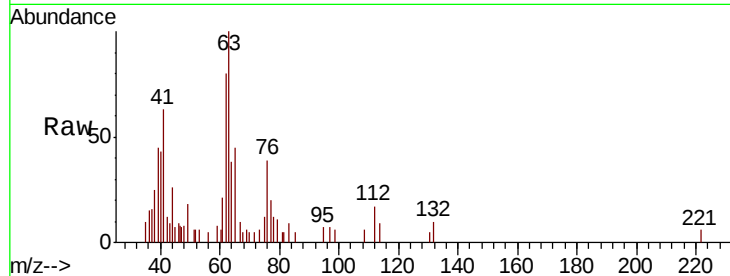
112 6.6 4.4 6.6

Manual Integrations

APPROVED

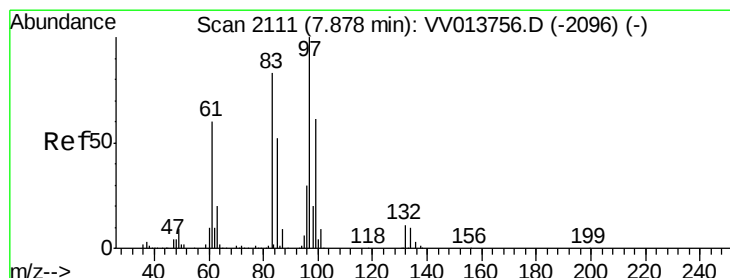
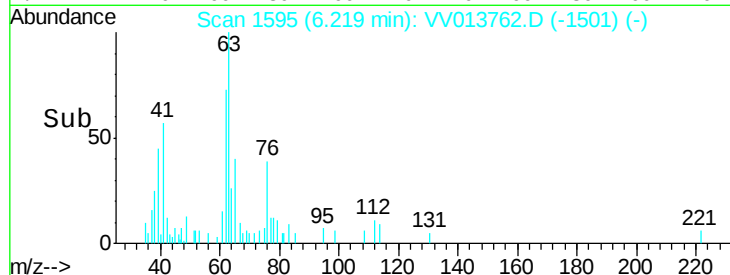
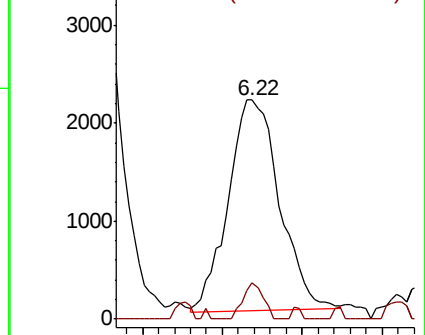
MMDadoda

11/26/2019 2:04:18 PM



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#45

1,1,2-Trichloroethane

Concen: 0.639 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV013762.D

Acq: 25 Nov 2019 13:48

Tgt Ion: 97 Resp: 9797

Ion Ratio Lower Upper

97 100

99 68.5 44.2 82.0

83 76.1 59.7 110.9

85 55.7 38.3 71.1

Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

