

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\
 Data File : VV017528.D
 Acq On : 17 Jul 2020 17:04
 Operator : SY/MD
 Sample : L3336-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2

Quant Time: Jul 18 06:04:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 18 05:06:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	353672	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	336422	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	165149	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83551	45.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.76%
7) Chloroethane-d5	1.58	69	64048	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.04%
11) 1,1-Dichloroethene-d2	2.13	63	364514	87.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	174.88%#
21) 2-Butanone-d5	3.91	46	130135	103.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.48%
24) Chloroform-d	4.38	84	184236	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.52%
26) 1,2-Dichloroethane-d4	5.06	65	132201	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.46%
32) Benzene-d6	5.08	84	342078	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.14%
36) 1,2-Dichloropropane-d6	6.09	67	106913	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.18%
41) Toluene-d8	7.34	98	310231	44.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.64	79	55775	45.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.58%
47) 2-Hexanone-d5	8.11	63	96828	112.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.74%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	147505	50.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	135592	49.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	51386	19.013	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	22690	9.661	ug/L	95
12) 1,1-Dichloroethene	2.14	96	413659	194.729	ug/L #	66
13) Acetone	2.19	43	4579	2.675	ug/L	81
16) Methylene chloride	2.52	84	2767	1.119	ug/L	90
17) trans-1,2-Dichloroethene	2.78	96	16138	6.986	ug/L	96
19) 1,1-Dichloroethane	3.21	63	5714161	1345.228	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	572494	231.297	ug/L	99
27) 1,2-Dichloroethane	5.16	62	82251	19.627	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	45028	9.733	ug/L	99
33) Benzene	5.13	78	60660	6.821	ug/L	100
34) Trichloroethene	5.94	95	741090	280.690	ug/L	96
51) Chlorobenzene	8.90	112	41260	6.126	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	16147	3.133	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	50464	9.649	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	7300	2.145	ug/L	91

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Quant Title : VOC Analysis
QLast Update : Sat Jul 18 05:06:25 2020
Response via : Initial Calibration

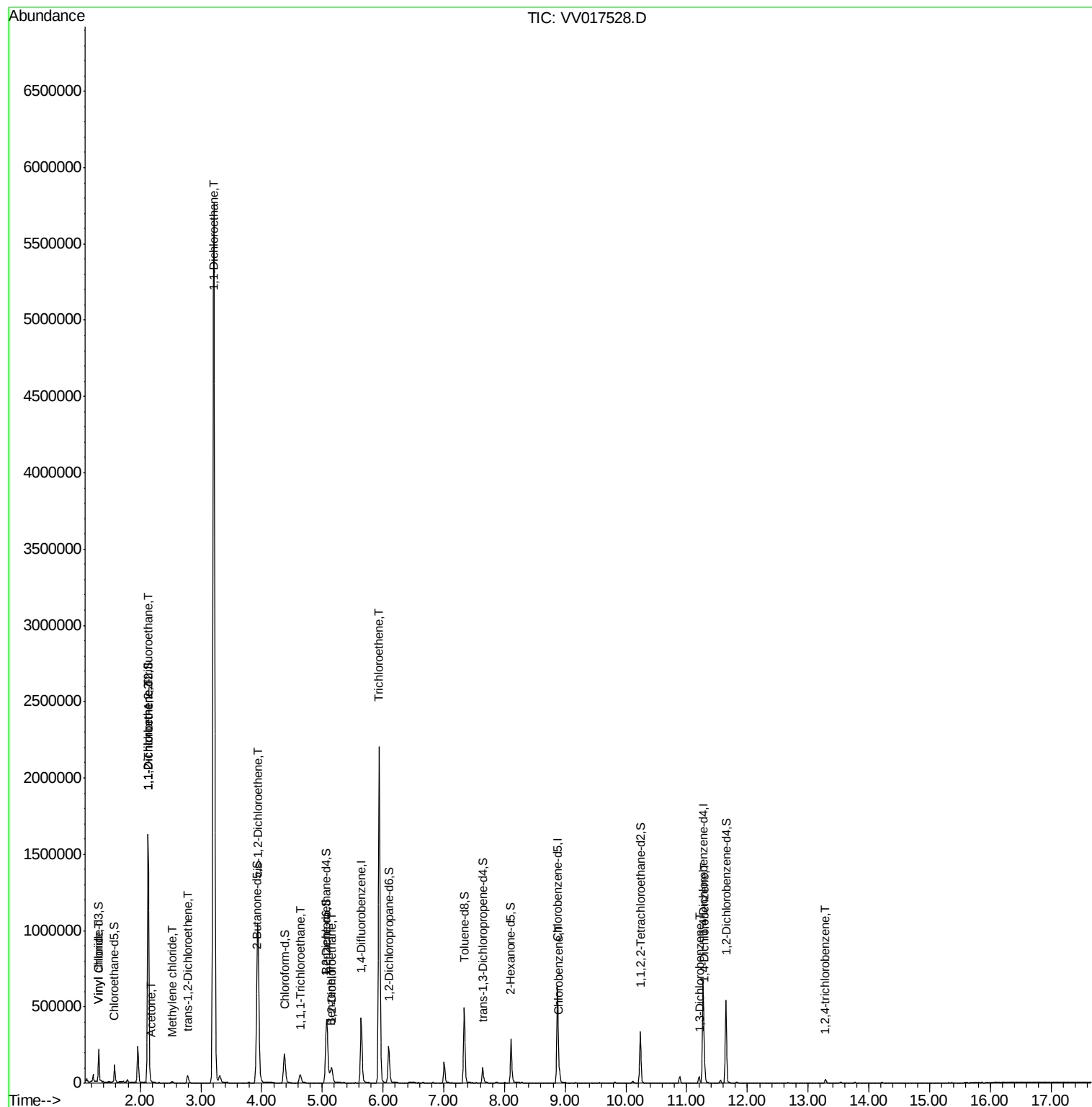
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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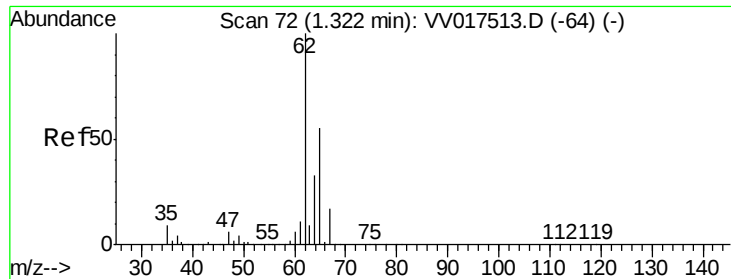
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 19.013 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017528.D

Acq: 17 Jul 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

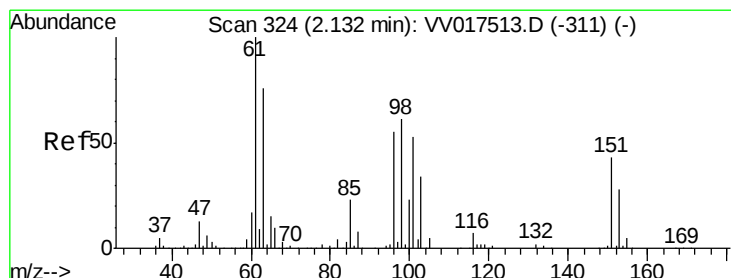
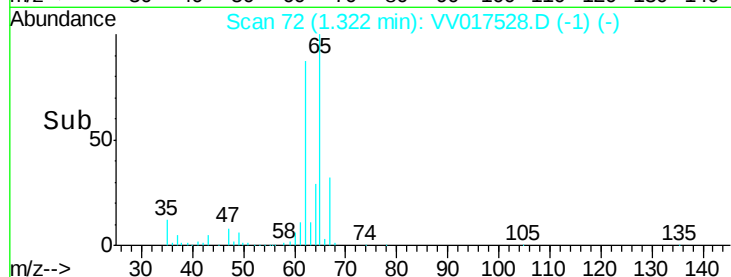
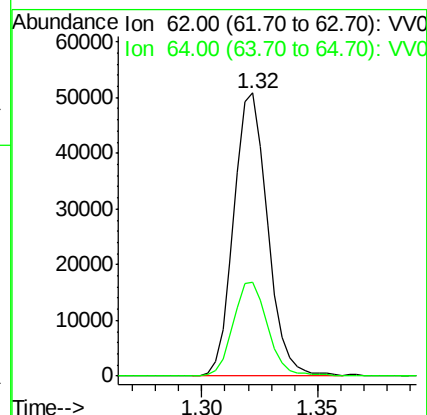
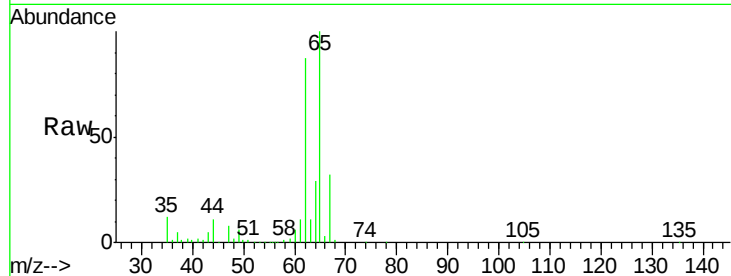
PMW-2

Tot Ion: 62 Resp: 51386

Ion Ratio Lower Upper

62 100

64 33.4 24.1 44.7



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 9.661 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017528.D

Acq: 17 Jul 2020 17:04

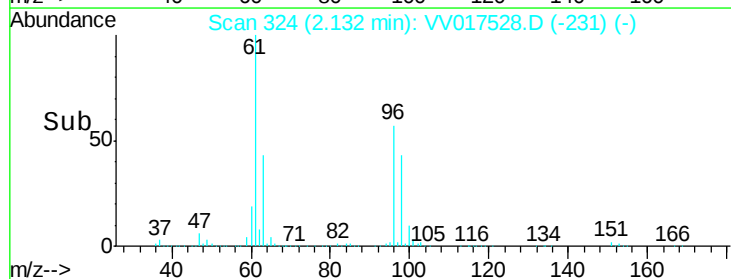
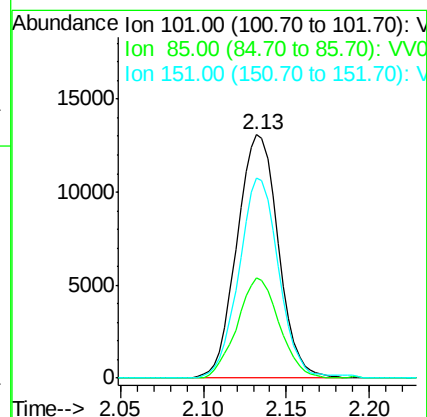
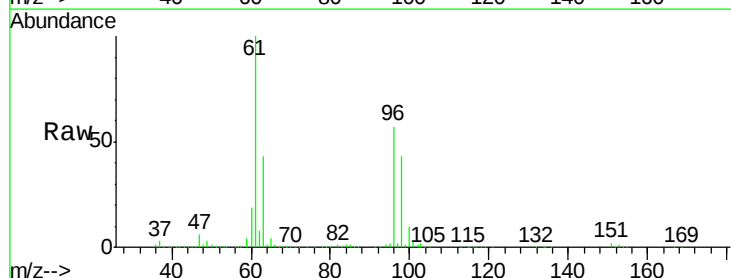
Tgt Ion: 101 Resp: 22690

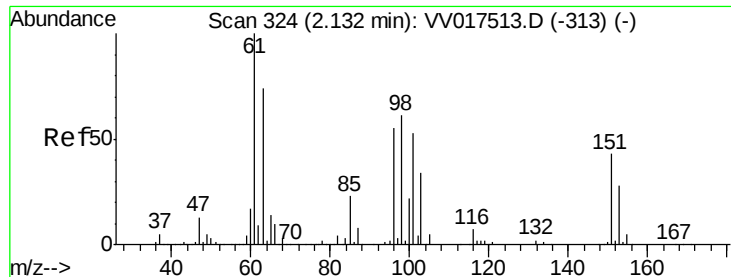
Ion Ratio Lower Upper

101 100

85 41.7 36.2 54.4

151 79.3 66.8 100.2





#12

1,1-Dichloroethene

Concen: 194.729 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017528.D

Acq: 17 Jul 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

PMW-2

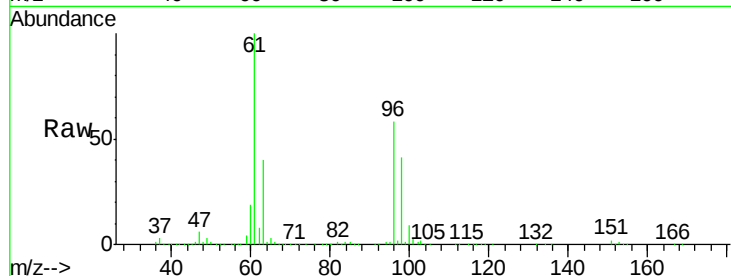
Tot Ion: 96 Resp: 413659

Ion Ratio Lower Upper

96 100

61 172.0 132.7 246.4

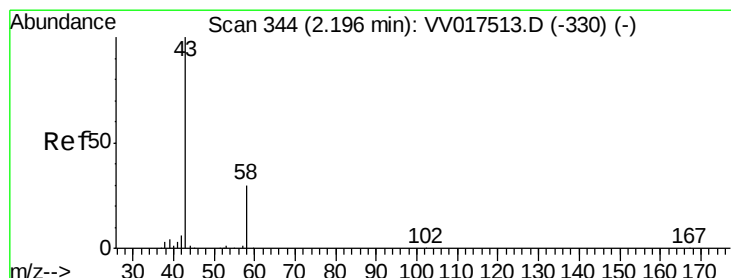
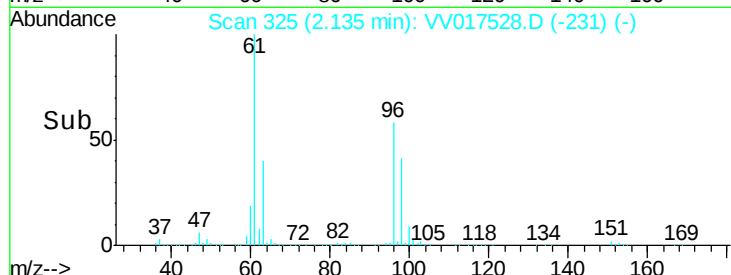
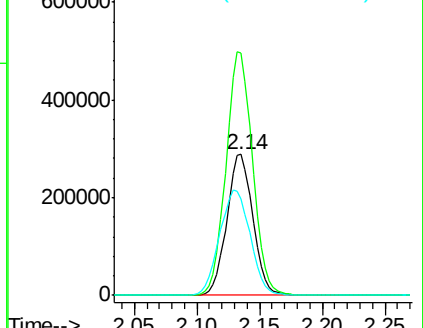
63 68.1 103.3 191.8#



Abundance Ion 96.00 (95.70 to 96.70): VV017528.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV017528.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017528.D (-231) (-)



#13

Acetone

Concen: 2.675 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017528.D

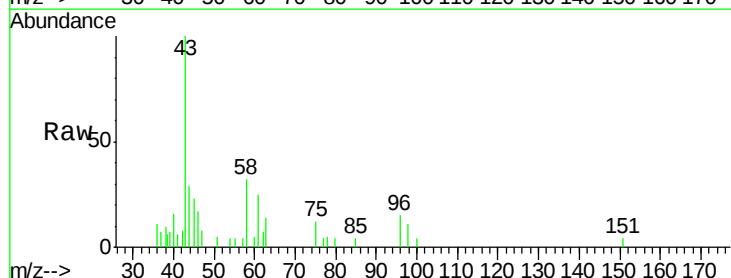
Acq: 17 Jul 2020 17:04

Tgt Ion: 43 Resp: 4579

Ion Ratio Lower Upper

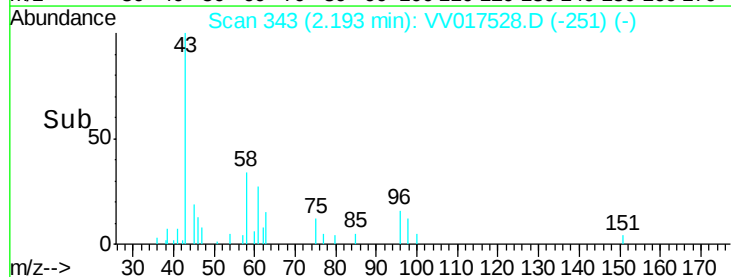
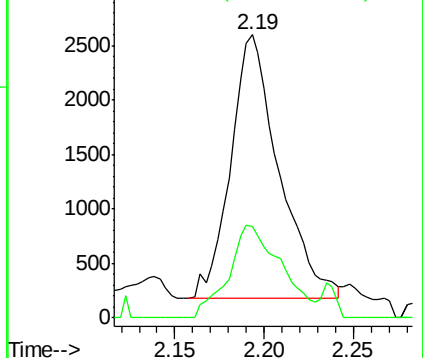
43 100

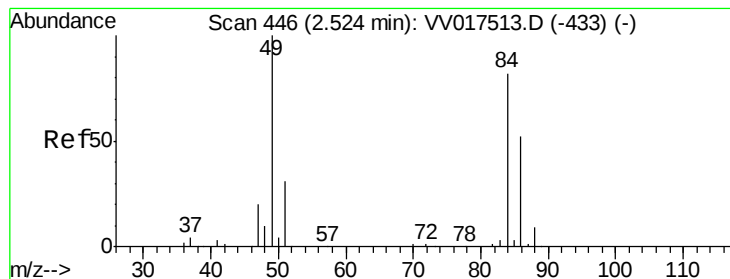
58 38.2 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV017528.D (-251) (-)

Ion 58.00 (57.70 to 58.70): VV017528.D (-251) (-)





#16

Methvlene chloride

Concen: 1.119 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017528.D

Acq: 17 Jul 2020 17:04

Instrument :

MSVOA_V

ClientSampleId :

PMW-2

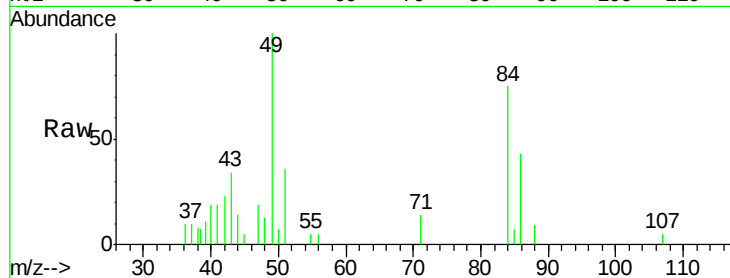
Tot Ion: 84 Resp: 2767

Ion Ratio Lower Upper

84 100

86 57.0 46.5 86.5

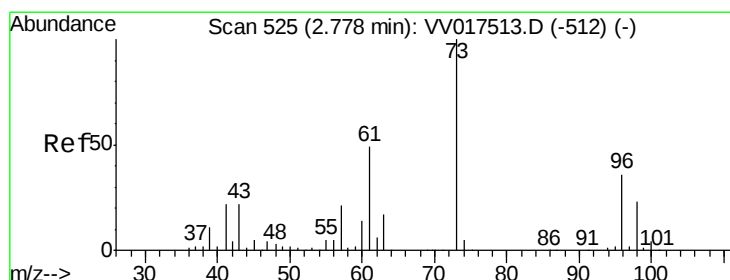
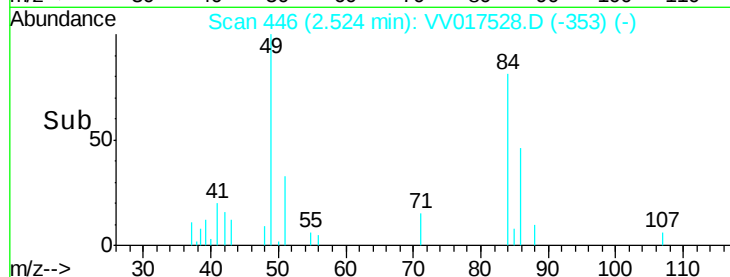
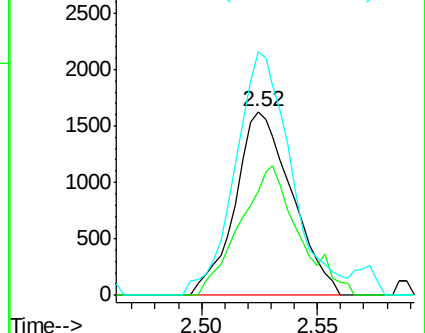
49 132.7 85.3 158.5



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 6.986 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017528.D

Acq: 17 Jul 2020 17:04

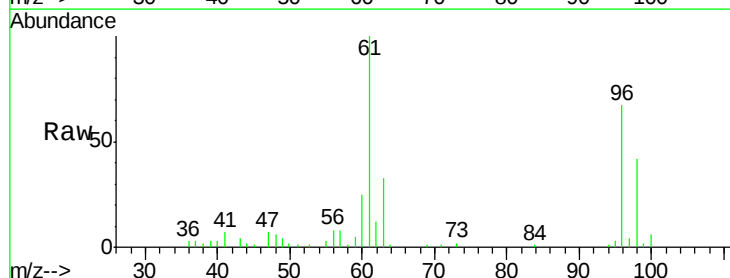
Tgt Ion: 96 Resp: 16138

Ion Ratio Lower Upper

96 100

61 148.5 99.0 184.0

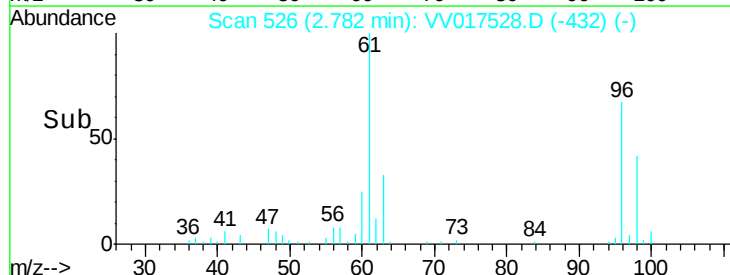
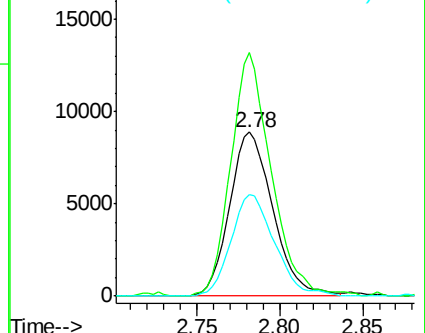
98 62.3 44.4 82.5

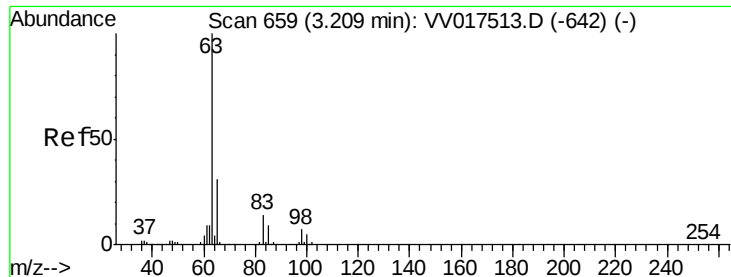


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



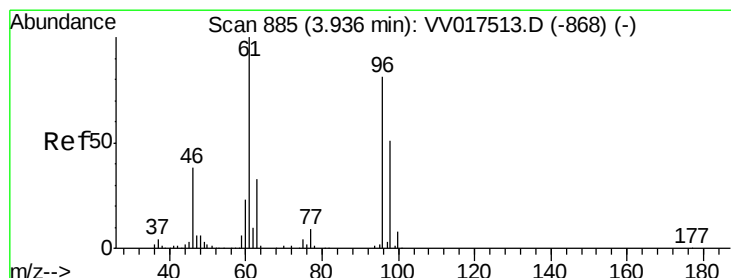
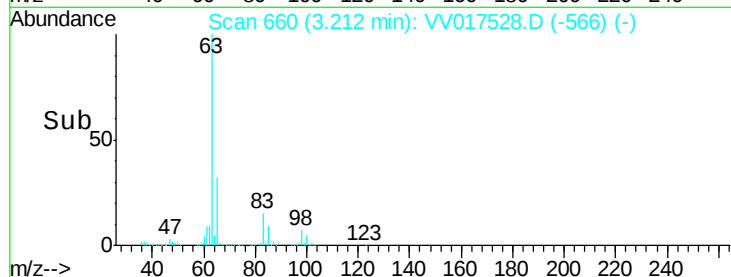
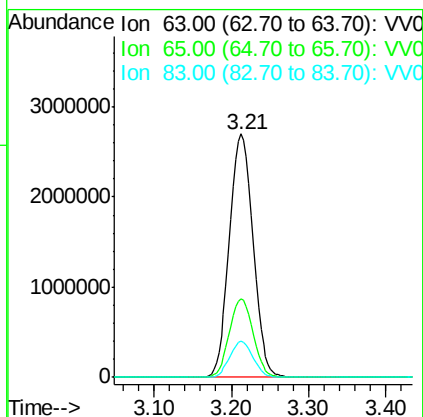
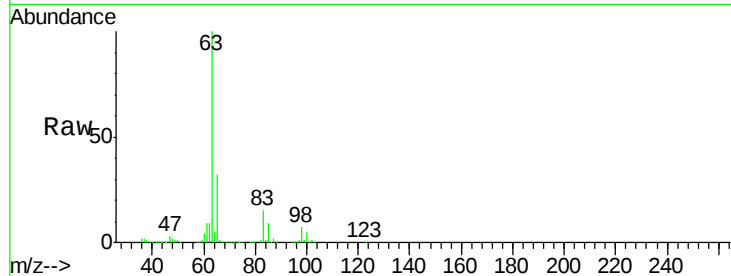


#19
 1,1-Dichloroethane
 Concen: 1345.228 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017528.D
 Acq: 17 Jul 2020 17:04

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2

Tot Ion: 63 Resp: 5714161

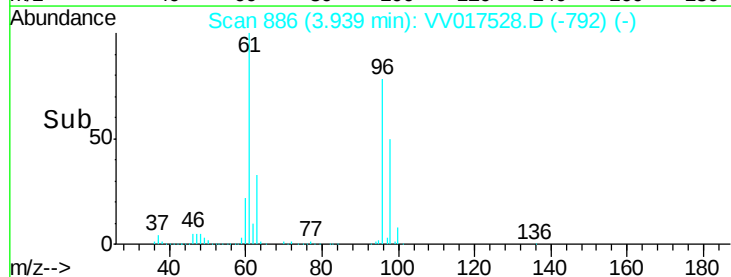
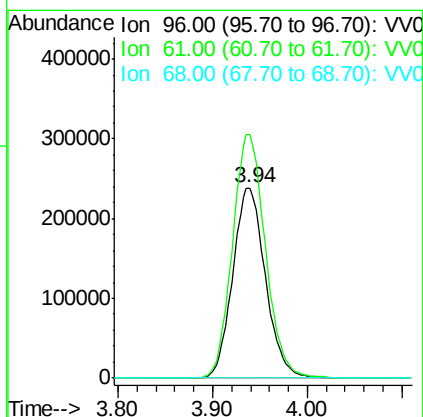
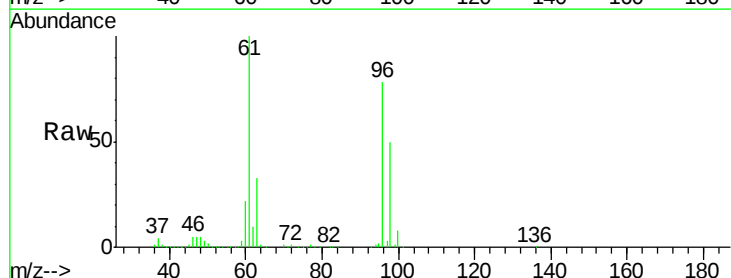
Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.1	41.1
83	14.6	10.1	18.9

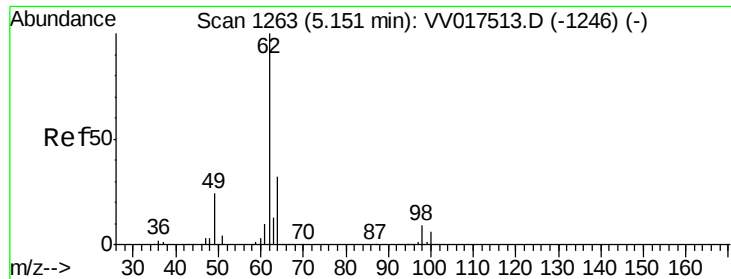


#20
 cis-1,2-Dichloroethene
 Concen: 231.297 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017528.D
 Acq: 17 Jul 2020 17:04

Tgt Ion: 96 Resp: 572494

Ion	Ratio	Lower	Upper
96	100		
61	128.1	88.9	165.1
68	0.0	0.0	0.0

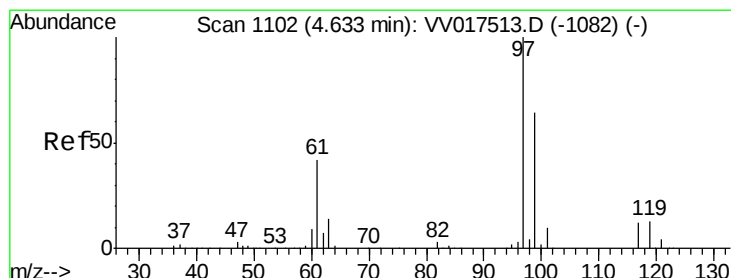
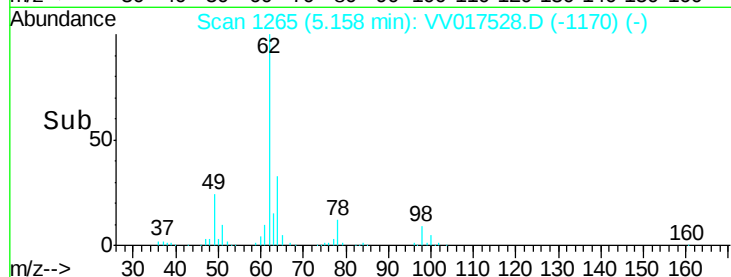
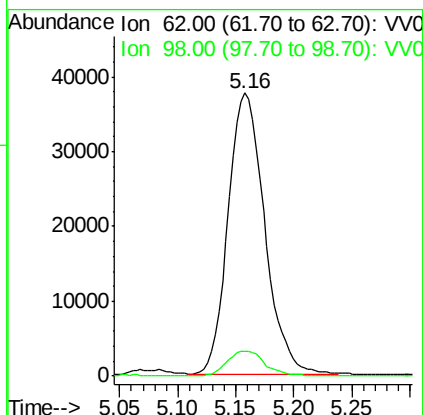
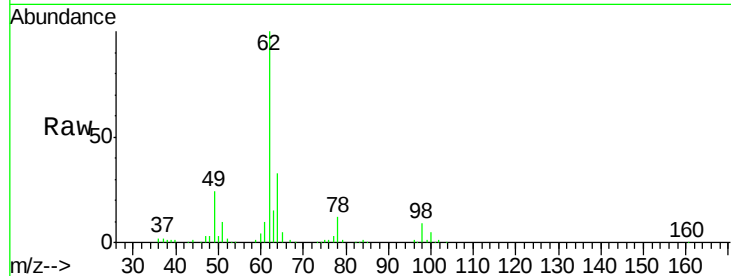




#27
 1,2-Dichloroethane
 Concen: 19.627 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VV017528.D
 Acq: 17 Jul 2020 17:04

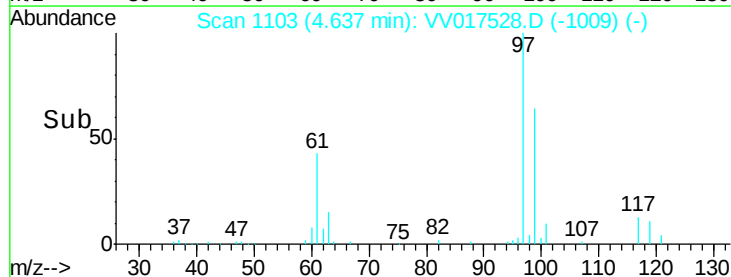
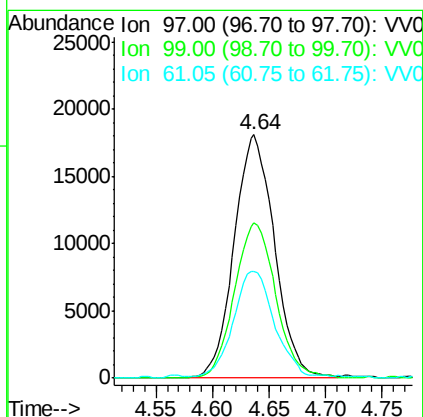
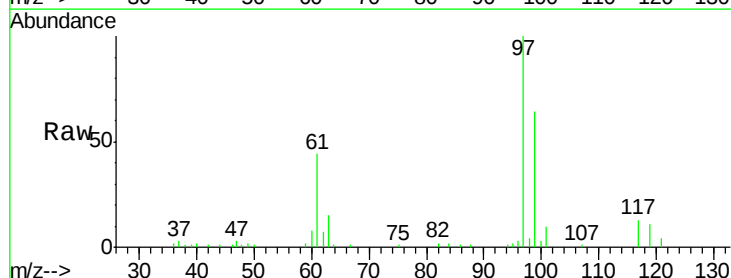
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2

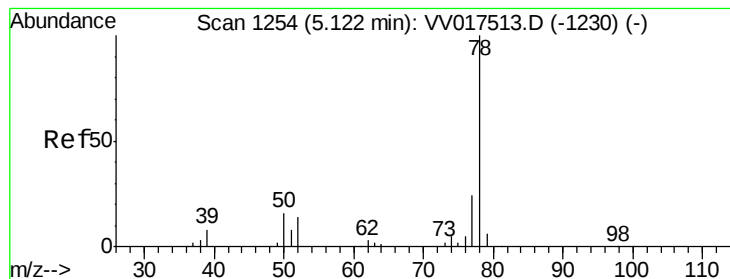
Tot Ion: 62 Resp: 82251
 Ion Ratio Lower Upper
 62 100
 98 8.9 6.4 9.6



#30
 1,1,1-Trichloroethane
 Concen: 9.733 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV017528.D
 Acq: 17 Jul 2020 17:04

Tgt Ion: 97 Resp: 45028
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.3 76.9
 61 43.2 34.1 51.1





#33

Benzene

Concen: 6.821 ug/L

RT: 5.13 min Scan# 1256

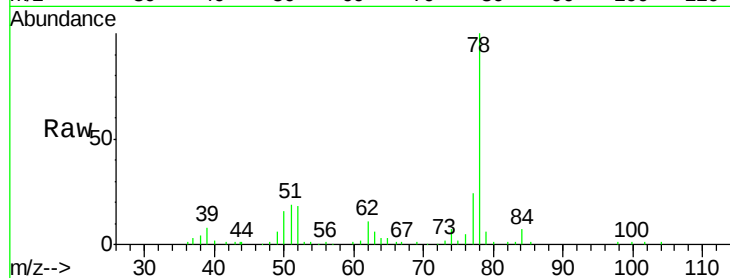
Delta R.T. 0.01 min

Lab File: VV017528.D

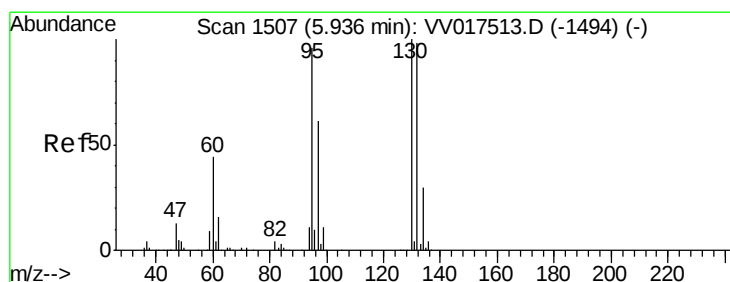
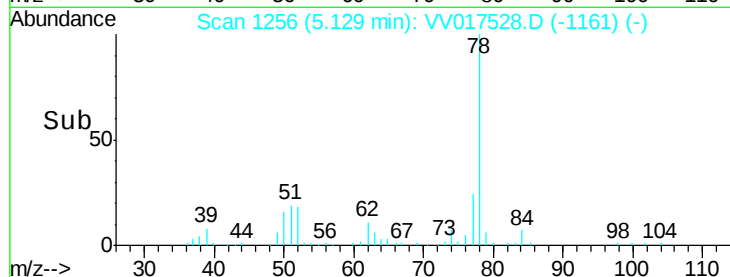
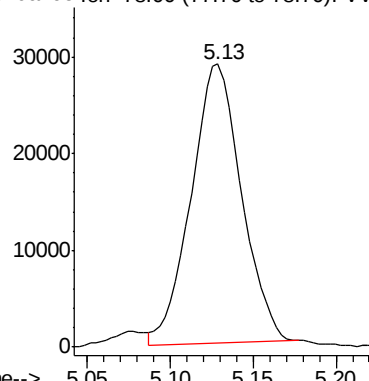
Acq: 17 Jul 2020 17:04

Instrument :
MSVOA_V
ClientSampleId :
PMW-2

Tgt Ion: 78 Resp: 60660



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 280.690 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017528.D

Acq: 17 Jul 2020 17:04

Tgt Ion: 95 Resp: 741090

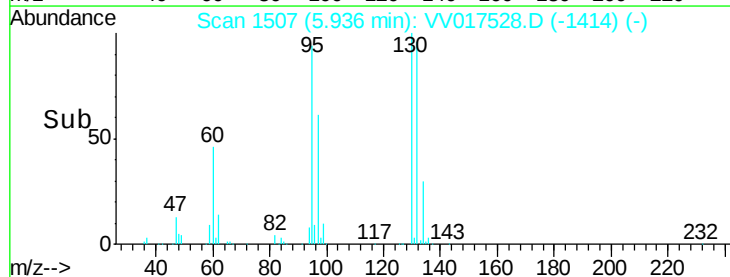
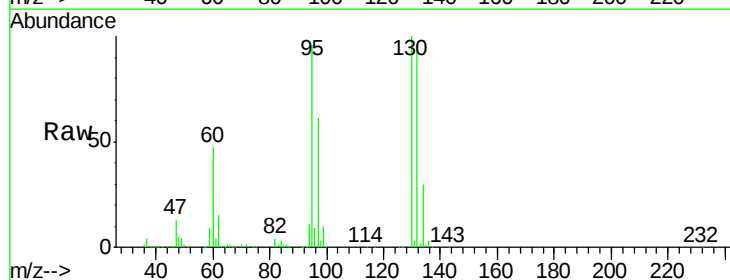
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.6	84.6
132	99.8	74.1	137.5
130	104.3	75.5	140.3

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): VV0

Ion 130.00 (129.70 to 130.70): VV0

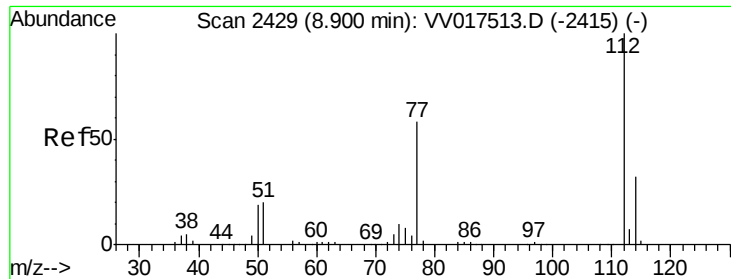


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#51

Chlorobenzene

Concen: 6.126 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017528.D

Acq: 17 Jul 2020 17:04

Instrument :

MSVOA_V

ClientSampled :

PMW-2

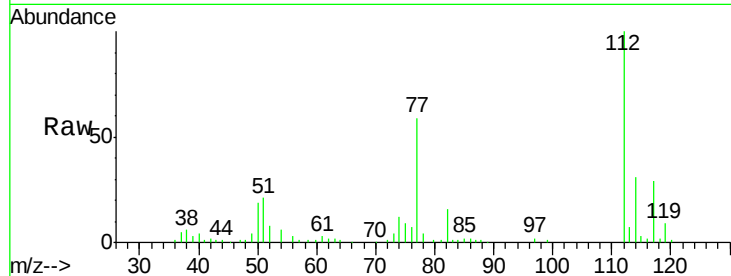
Tot Ion:112 Resp: 41260

Ion Ratio Lower Upper

112 100

114 31.0 22.7 42.1

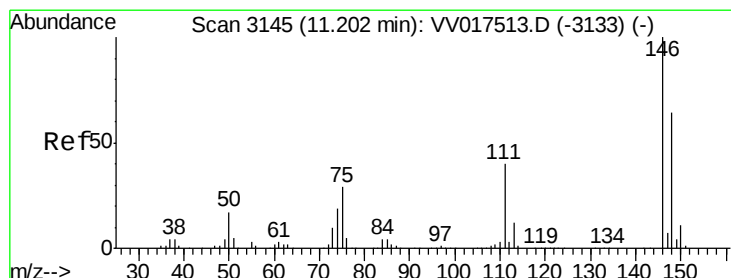
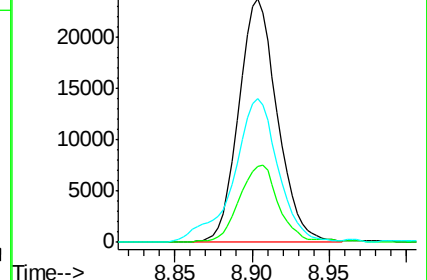
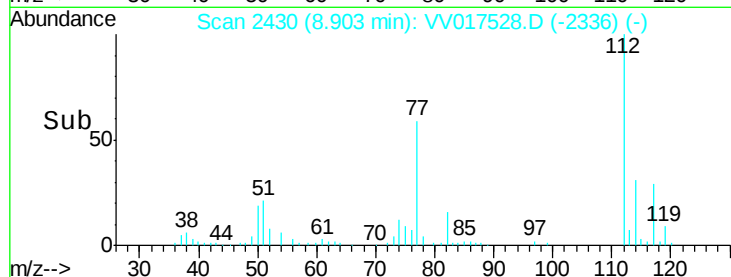
77 58.9 46.7 70.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 3.133 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017528.D

Acq: 17 Jul 2020 17:04

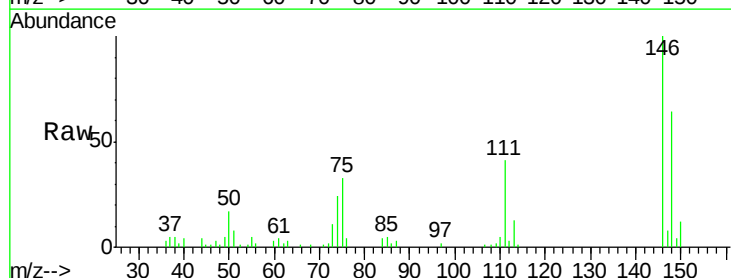
Tgt Ion:146 Resp: 16147

Ion Ratio Lower Upper

146 100

111 41.4 27.2 50.6

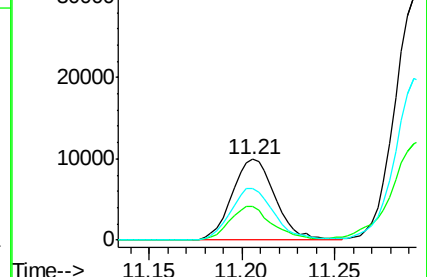
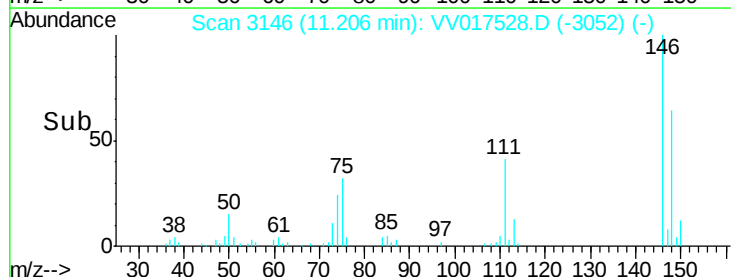
148 63.8 44.7 82.9

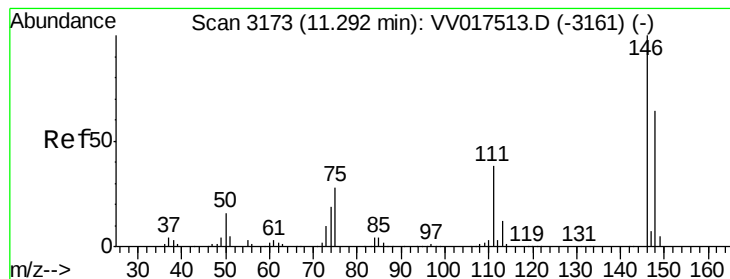


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 9.649 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017528.D

Acq: 17 Jul 2020 17:04

Instrument :

MSVOA_V

ClientSampled :

PMW-2

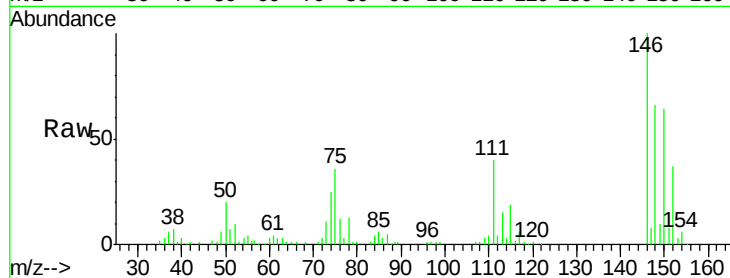
Tot Ion:146 Resp: 50464

Ion Ratio Lower Upper

146 100

111 39.6 27.2 50.4

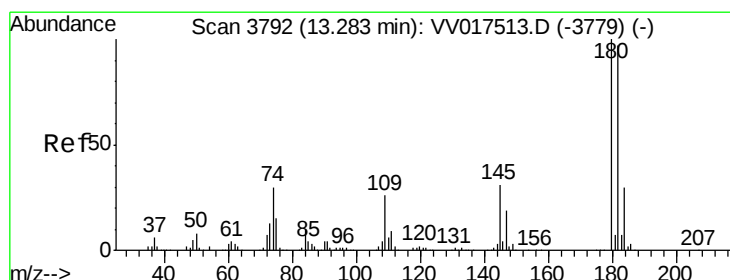
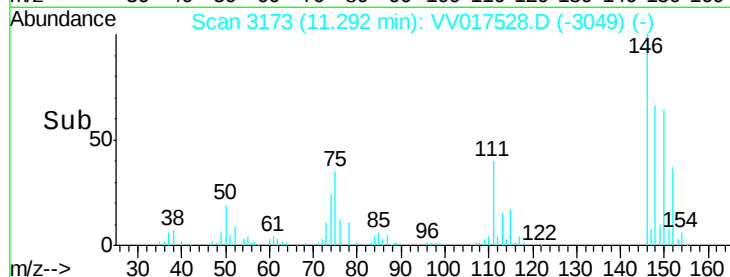
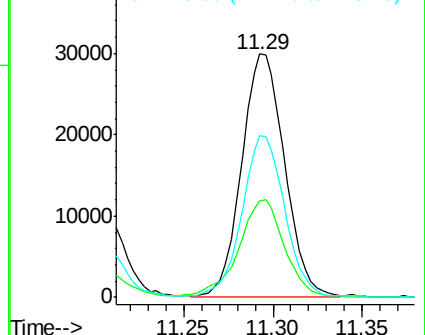
148 66.3 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 2.145 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV017528.D

Acq: 17 Jul 2020 17:04

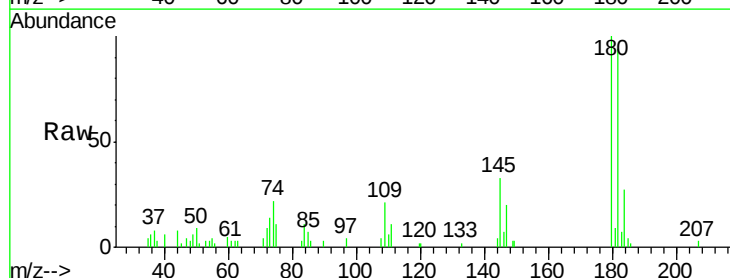
Tgt Ion:180 Resp: 7300

Ion Ratio Lower Upper

180 100

182 104.4 76.0 114.0

145 34.0 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

