

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
 Data File : VV017296.D
 Acq On : 01 Jul 2020 17:58
 Operator : SY/MD
 Sample : L3168-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK0

Quant Time: Jul 02 06:13:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 02 03:02:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	185530	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	179090	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	86924	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44051	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.58	69	39009	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.13	63	66643	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	3.92	46	126102	44.43	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.86%
24) Chloroform-d	4.38	84	109939	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.06	65	60196	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.08	84	196473	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.10	67	60716	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.34	98	174758	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
45) trans-1,3-Dichloropropene-	7.64	79	22843	3.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.80%
48) 2-Hexanone-d5	8.11	63	83042	37.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.24%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41151	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	73220	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

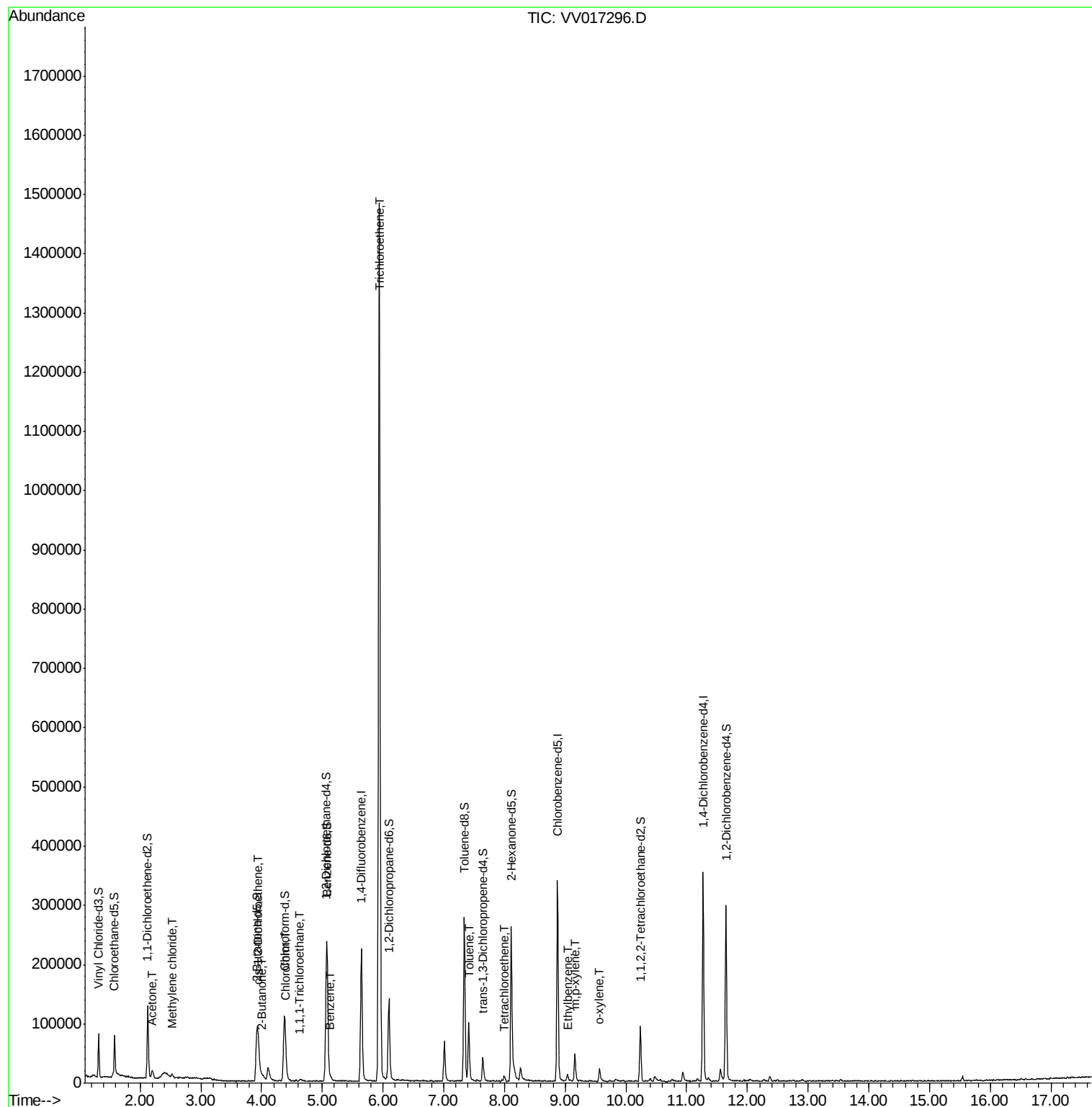
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.20	43	21982	15.323	ug/L	99
16) Methylene chloride	2.53	84	2445	0.256	ug/L	95
21) 2-Butanone	4.02	43	10801	3.994	ug/L	94
22) cis-1,2-Dichloroethene	3.95	96	17459	1.353	ug/L	91
25) Chloroform	4.41	83	13833	0.597	ug/L	92
29) 1,1,1-Trichloroethane	4.63	97	2695	0.126	ug/L #	80
33) Benzene	5.14	78	6402	0.136	ug/L	100
34) Trichloroethene	5.94	95	498615	36.307	ug/L	98
42) Toluene	7.41	91	69020	1.266	ug/L	98
49) Tetrachloroethene	8.00	164	1908	0.173	ug/L	91
54) Ethylbenzene	9.03	91	6870	0.118	ug/L	99
55) m,p-xylene	9.16	106	12377	0.542	ug/L	95
56) o-xylene	9.57	106	5514	0.259	ug/L	99

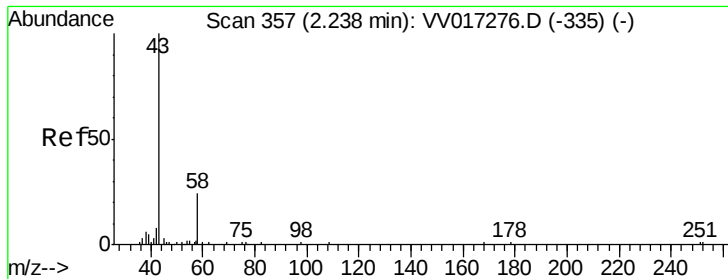
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 02 03:02:49 2020
Response via : Initial Calibration





#13

Acetone

Concen: 15.323 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.04 min

Lab File: VV017296.D

Acq: 01 Jul 2020 17:58

Instrument :

MSVOA_V

ClientSampleId :

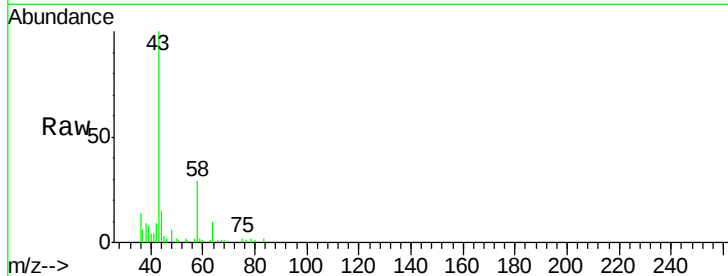
C0AK0

Tot Ion: 43 Resp: 21982

Ion Ratio Lower Upper

43 100

58 29.5 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.20

8000

6000

4000

2000

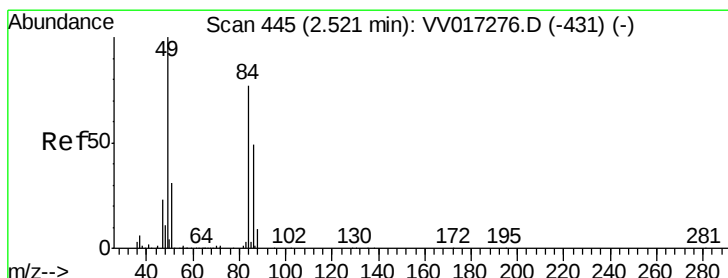
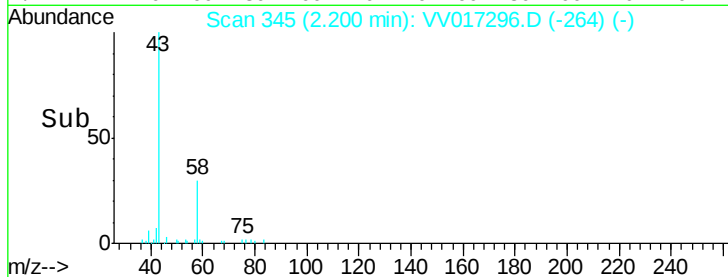
0

Time-->

2.10

2.20

2.30



#16

Methylene chloride

Concen: 0.256 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV017296.D

Acq: 01 Jul 2020 17:58

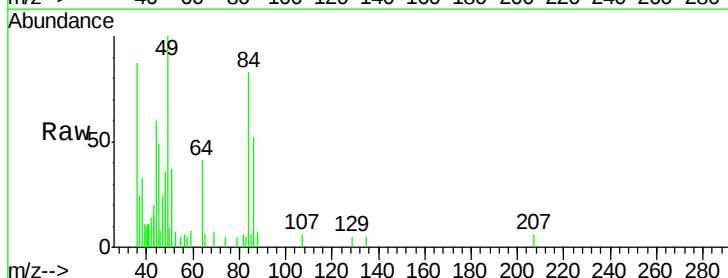
Tgt Ion: 84 Resp: 2445

Ion Ratio Lower Upper

84 100

86 63.4 45.8 85.0

49 120.9 89.6 166.4



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

2500

2000

1500

1000

500

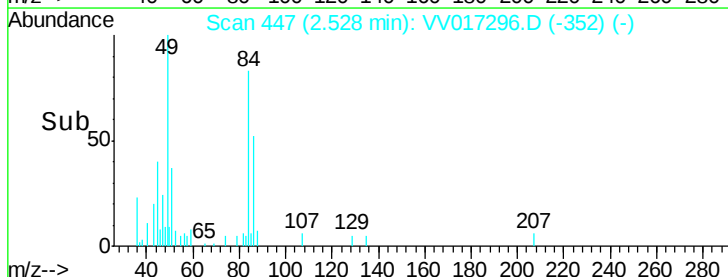
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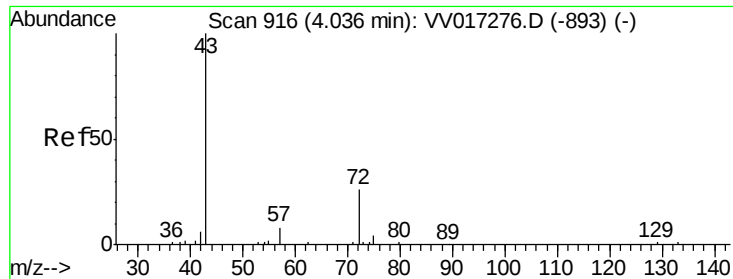
Time-->

2.50

2.53

2.55





#21

2-Butanone

Concen: 3.994 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.02 min

Lab File: VV017296.D

Acq: 01 Jul 2020 17:58

Instrument :

MSVOA_V

ClientSampled :

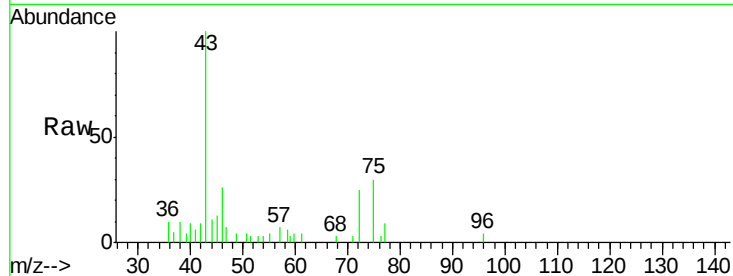
C0AK0

Tot Ion: 43 Resp: 10801

Ion Ratio Lower Upper

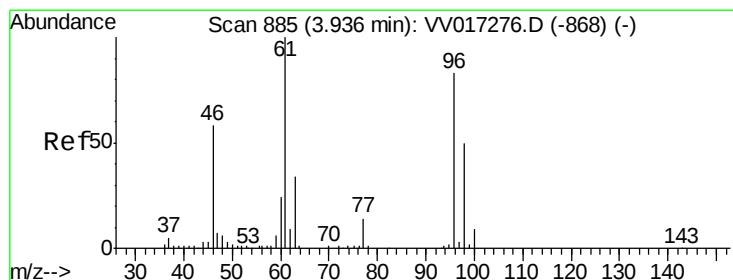
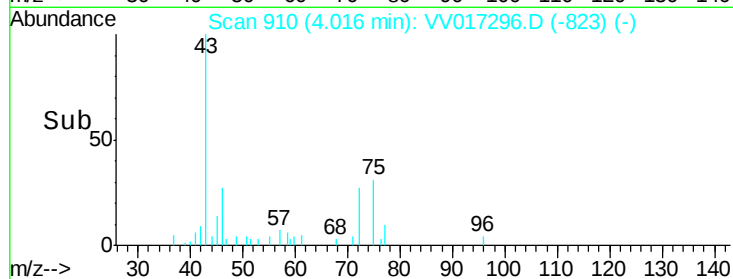
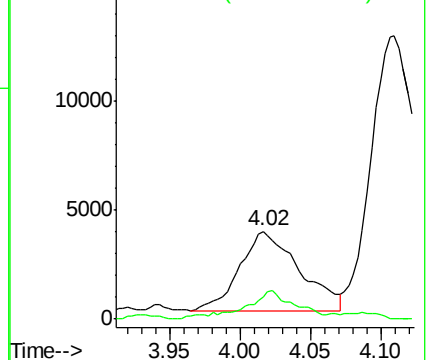
43 100

72 21.8 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV017296.D (-823) (-)

Ion 72.00 (71.70 to 72.70): VV017296.D (-823) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.353 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV017296.D

Acq: 01 Jul 2020 17:58

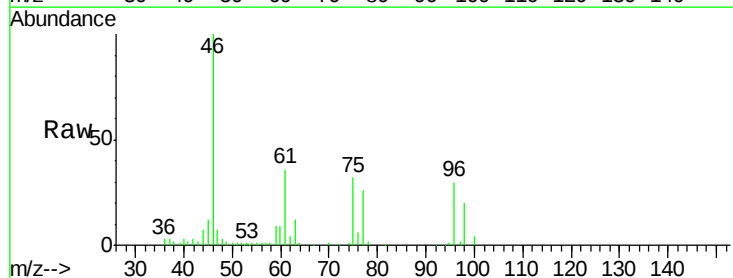
Tgt Ion: 96 Resp: 17459

Ion Ratio Lower Upper

96 100

61 118.9 91.0 169.0

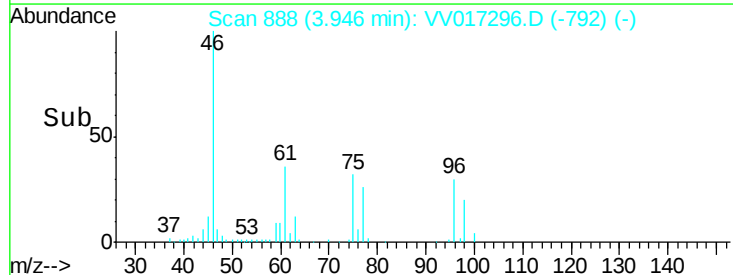
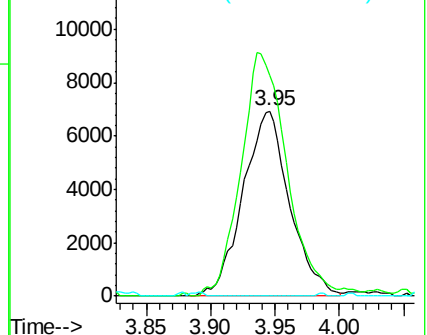
68 0.0 0.0 0.0

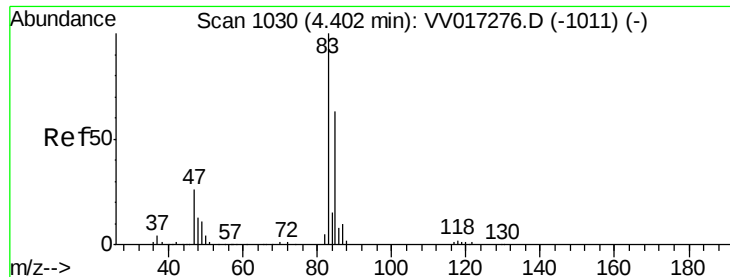


Abundance Ion 96.00 (95.70 to 96.70): VV017296.D (-792) (-)

Ion 61.05 (60.75 to 61.75): VV017296.D (-792) (-)

Ion 68.15 (67.85 to 68.85): VV017296.D (-792) (-)





#25

Chloroform

Concen: 0.597 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV017296.D

Acq: 01 Jul 2020 17:58

Instrument :

MSVOA_V

ClientSampled :

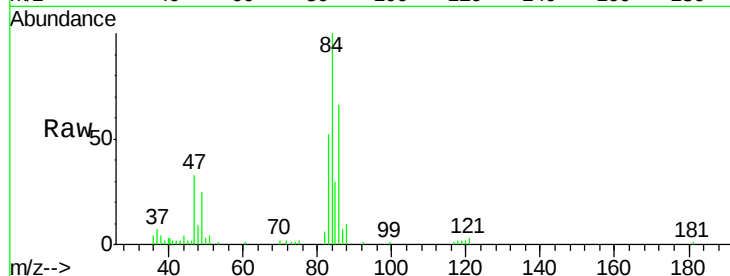
C0AK0

Tot Ion: 83 Resp: 13833

Ion Ratio Lower Upper

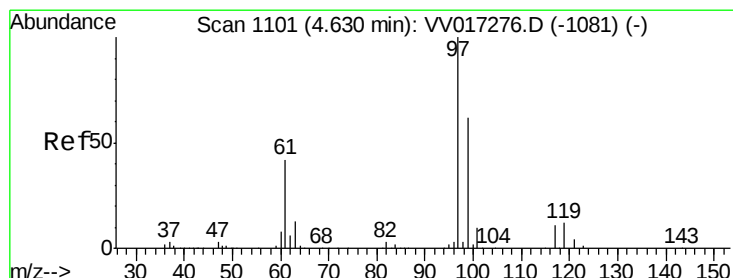
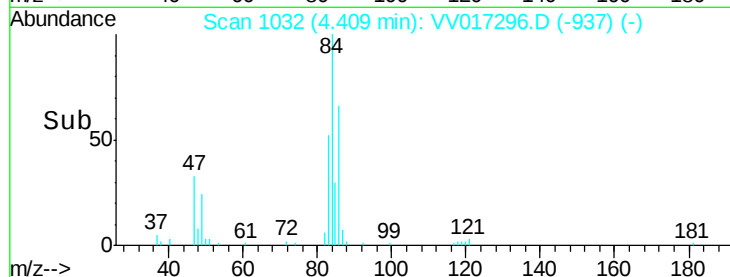
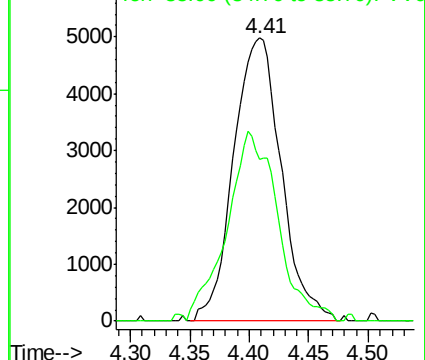
83 100

85 57.2 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#29

1,1,1-Trichloroethane

Concen: 0.126 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV017296.D

Acq: 01 Jul 2020 17:58

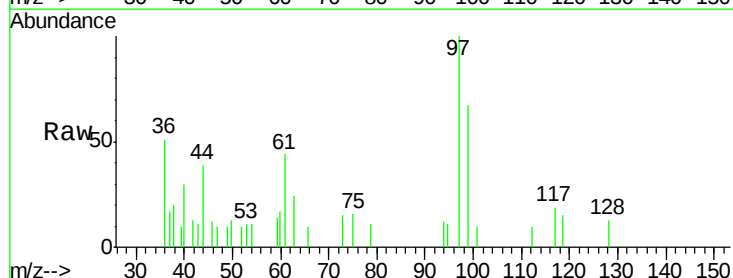
Tgt Ion: 97 Resp: 2695

Ion Ratio Lower Upper

97 100

99 52.8 50.3 75.5

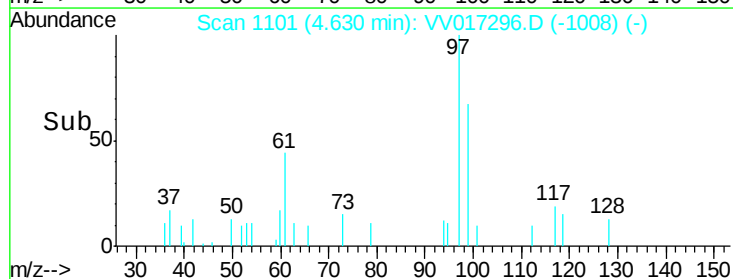
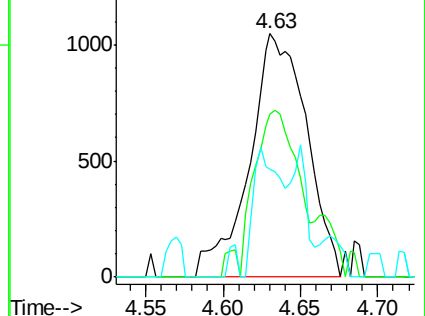
61 24.9 36.0 54.0#

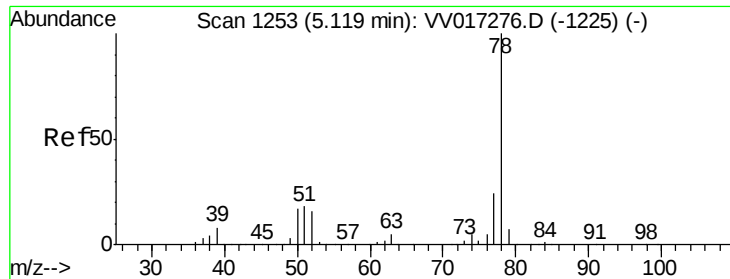


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0





#33

Benzene

Concen: 0.136 ug/L

RT: 5.14 min Scan# 1258

Delta R.T. 0.02 min

Lab File: VV017296.D

Acq: 01 Jul 2020 17:58

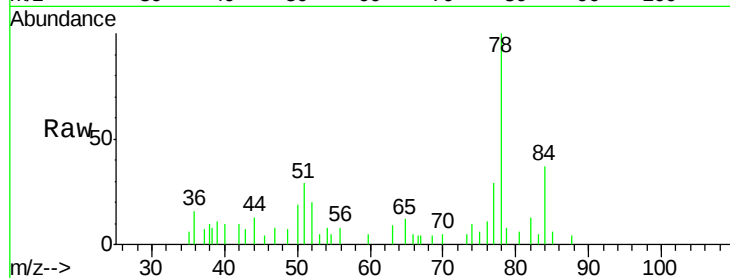
Instrument :

MSVOA_V

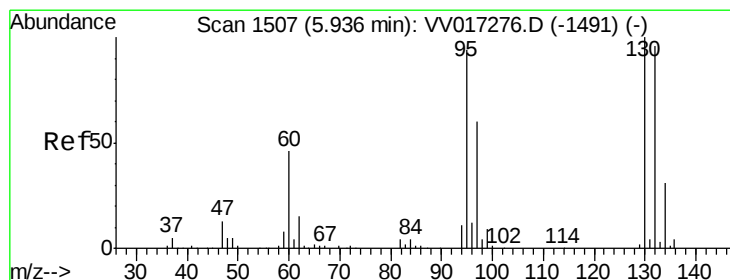
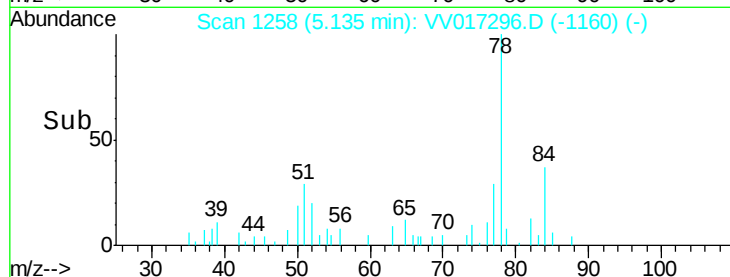
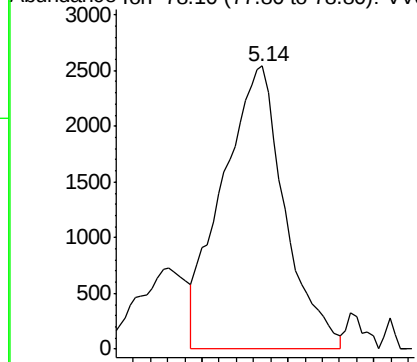
ClientSampleId :

C0AK0

Tgt Ion: 78 Resp: 6402



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 36.307 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017296.D

Acq: 01 Jul 2020 17:58

Tgt Ion: 95 Resp: 498615

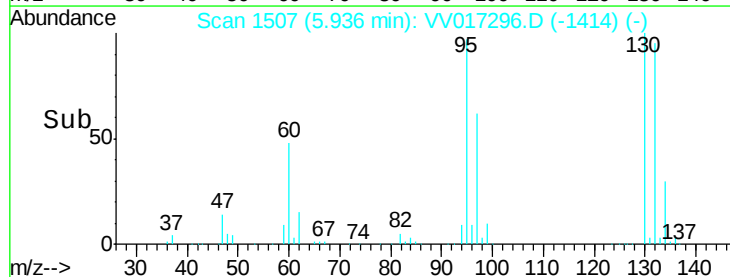
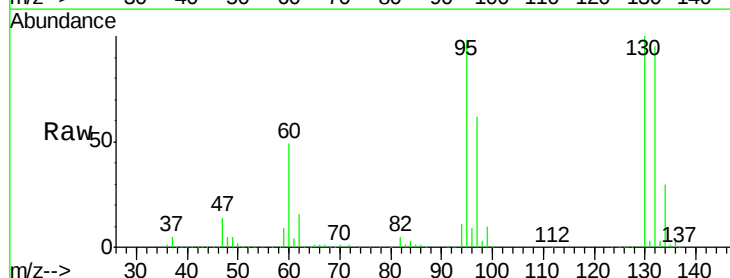
Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.3	84.1
132	96.9	68.8	127.8
130	102.4	70.2	130.4

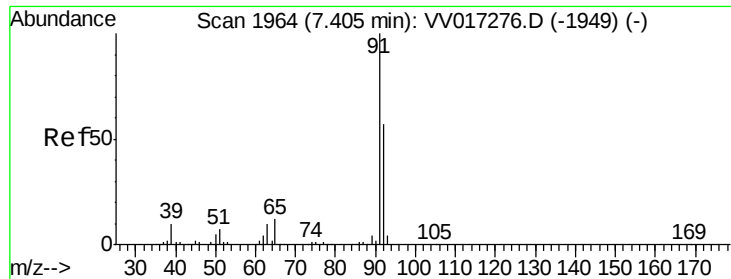
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





#42

Toluene

Concen: 1.266 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV017296.D

Acq: 01 Jul 2020 17:58

Instrument :

MSVOA_V

ClientSampleId :

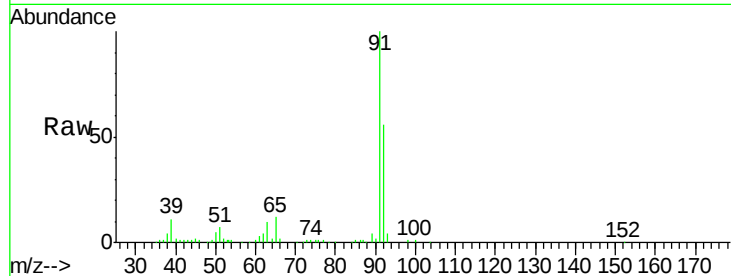
C0AK0

Tot Ion: 91 Resp: 69020

Ion Ratio Lower Upper

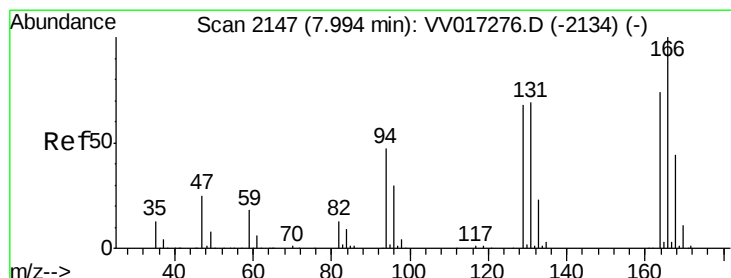
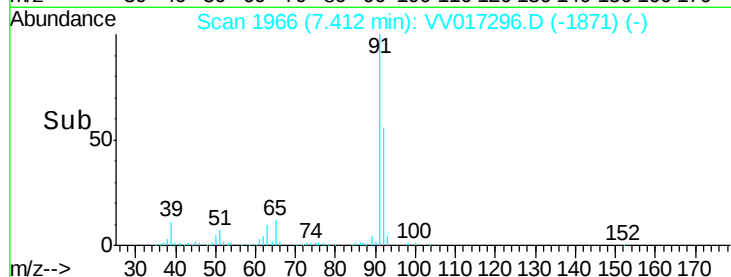
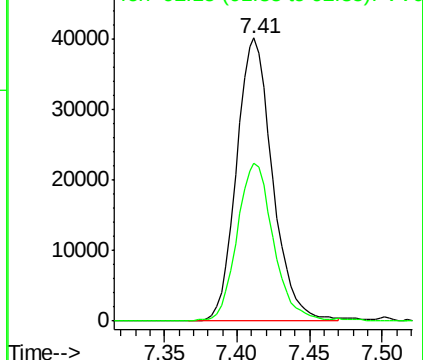
91 100

92 55.9 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017276.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017276.D (-1949) (-)



#49

Tetrachloroethene

Concen: 0.173 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017296.D

Acq: 01 Jul 2020 17:58

Tgt Ion: 164 Resp: 1908

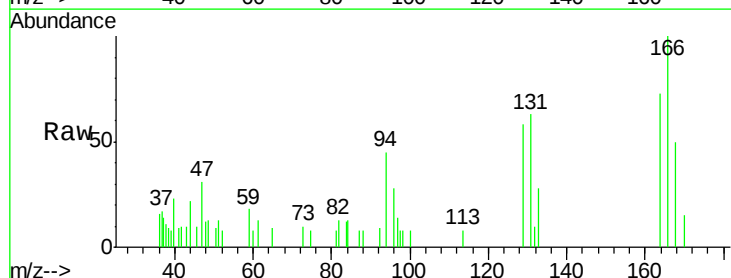
Ion Ratio Lower Upper

164 100

129 79.3 65.2 121.0

131 85.3 64.1 119.1

166 136.5 90.2 167.4

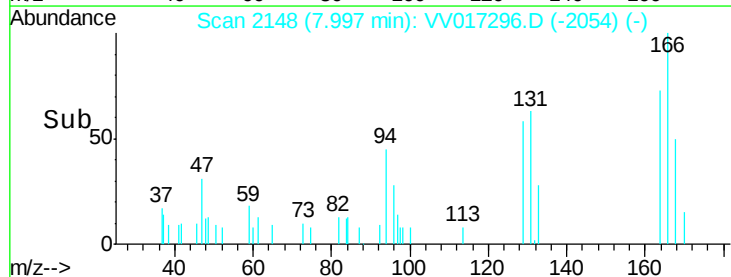
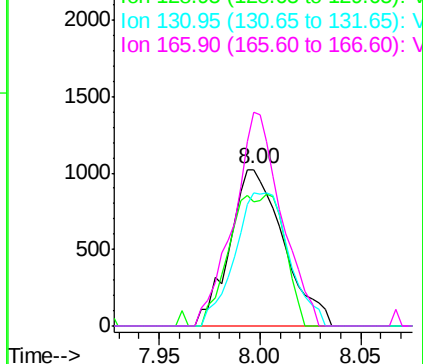


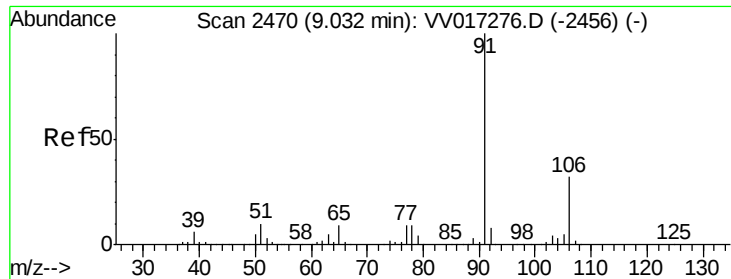
Abundance Ion 163.90 (163.60 to 164.60): VV017276.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV017276.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV017276.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV017276.D (-2134) (-)

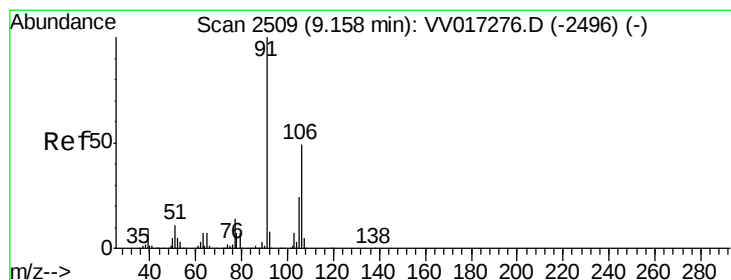
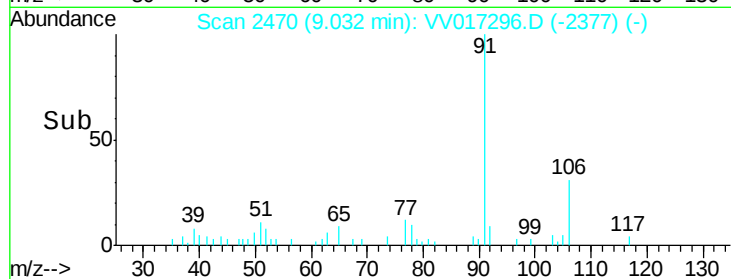
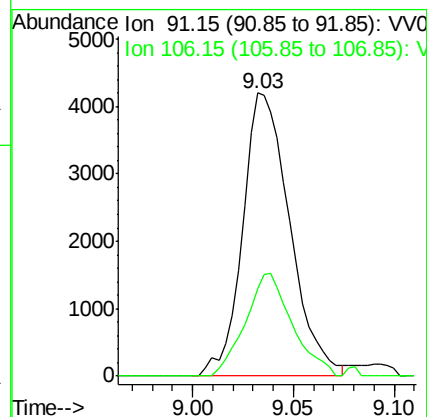
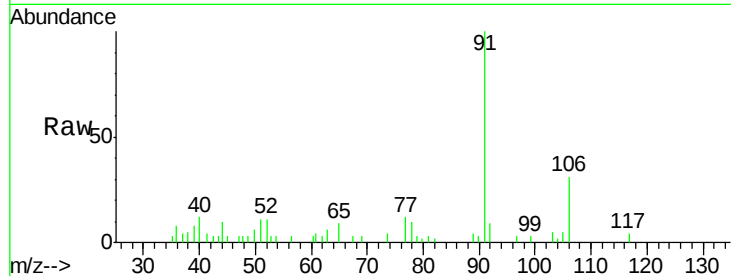




#54
Ethylbenzene
Concen: 0.118 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017296.D
Acq: 01 Jul 2020 17:58

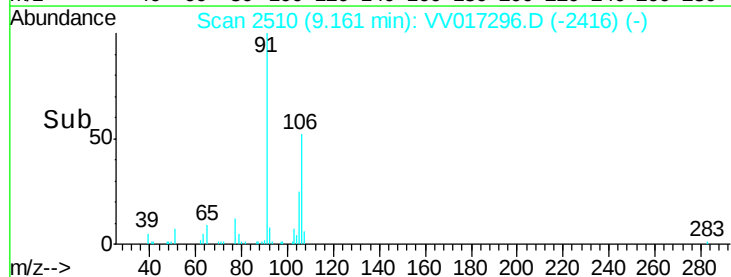
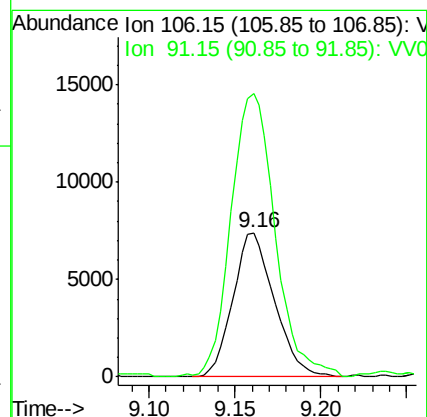
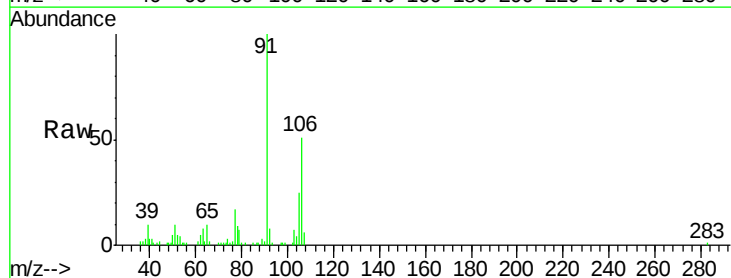
Instrument :
MSVOA_V
ClientSampleId :
C0AK0

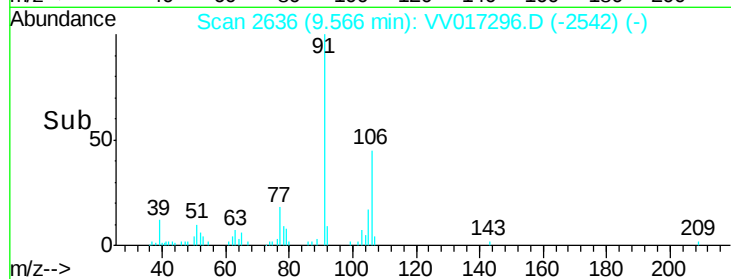
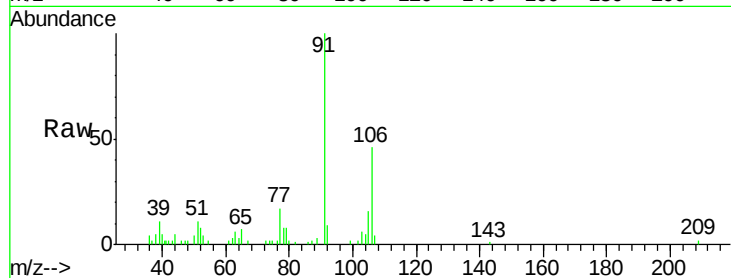
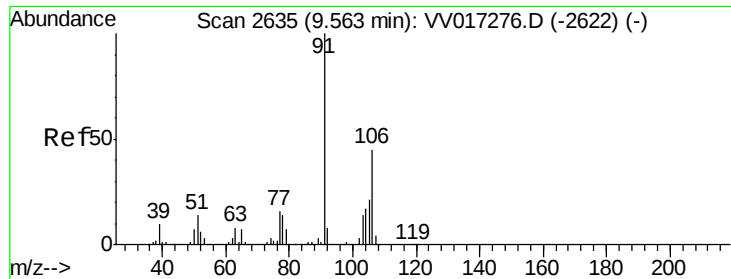
Tot Ion: 91 Resp: 6870
Ion Ratio Lower Upper
91 100
106 30.9 21.1 39.1



#55
m,p-xylene
Concen: 0.542 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV017296.D
Acq: 01 Jul 2020 17:58

Tgt Ion: 106 Resp: 12377
Ion Ratio Lower Upper
106 100
91 196.5 142.7 264.9





#56
o-xylene
Concen: 0.259 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017296.D
Acq: 01 Jul 2020 17:58

Instrument :
MSVOA_V
ClientSampleId :
C0AK0

Tot Ion:106 Resp: 5514
Ion Ratio Lower Upper
106 100
91 217.8 153.6 285.2

