

Data File : VL035679.D
Acq On : 18 Sep 2020 10:29
Operator : SY/AP
Sample : L3983-05DL2DUP 1200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 18 14:40:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	943817	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3684814	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3654264	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2631316	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

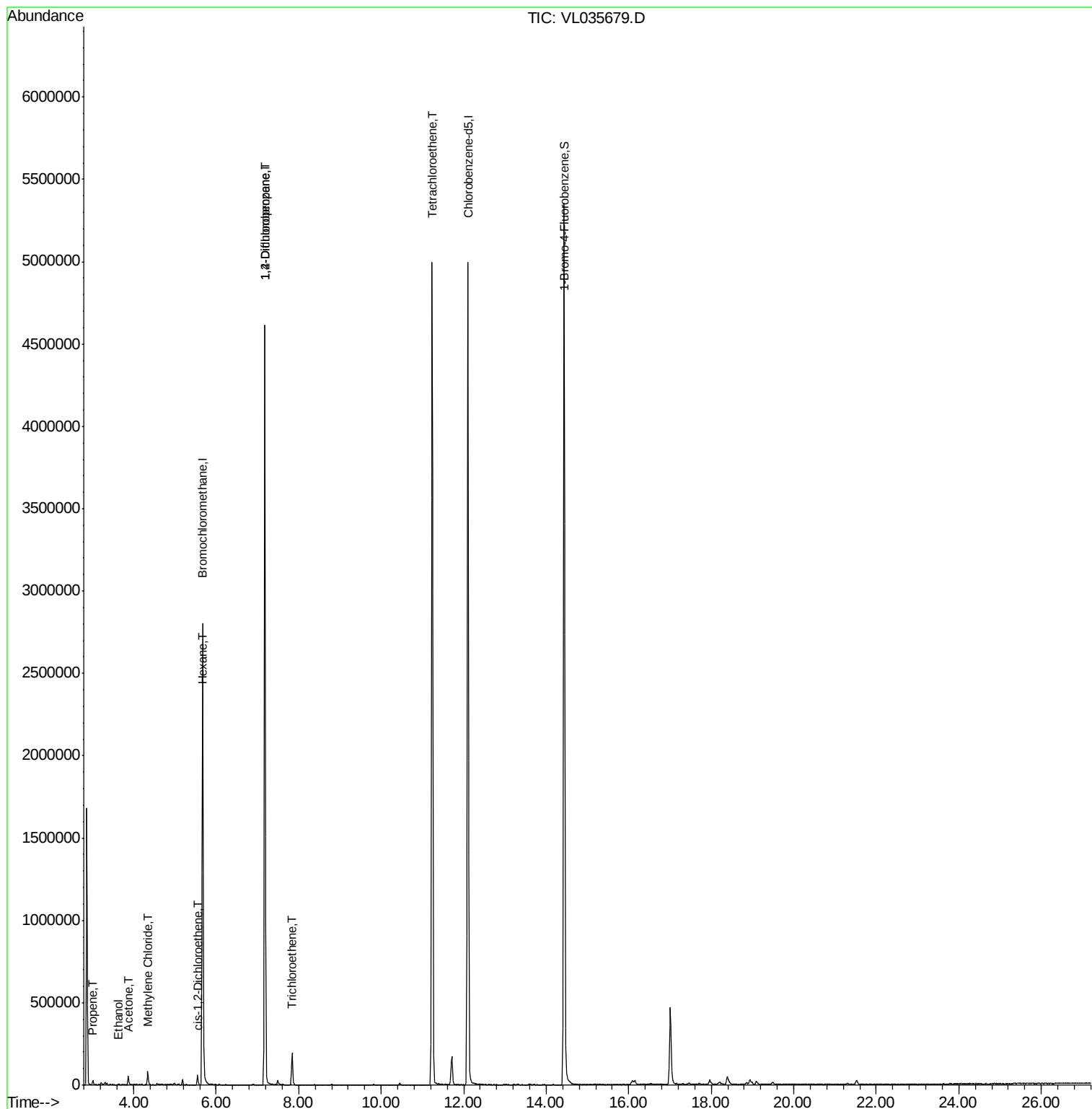
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	6278	0.156	ppbv #	62
13) Ethanol	3.62	45	2727	0.273	ppbv	98
15) Acetone	3.87	43	45542	0.438	ppbv #	80
20) Methylene Chloride	4.35	84	36618	0.472	ppbv	96
26) Hexane	5.69	57	10382	0.100	ppbv #	46
31) cis-1,2-Dichloroethene	5.55	61	26615	0.249	ppbv	88
38) Trichloroethene	7.84	130	44072	0.318	ppbv	97
39) 1,2-Dichloropropane	7.18	63	695604	8.633	ppbv #	33
52) Tetrachloroethene	11.24	164	1382072	9.918	ppbv	97

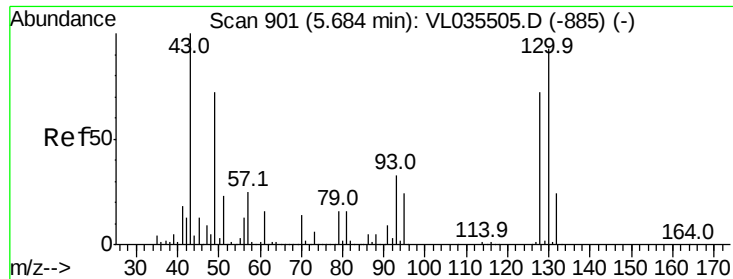
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

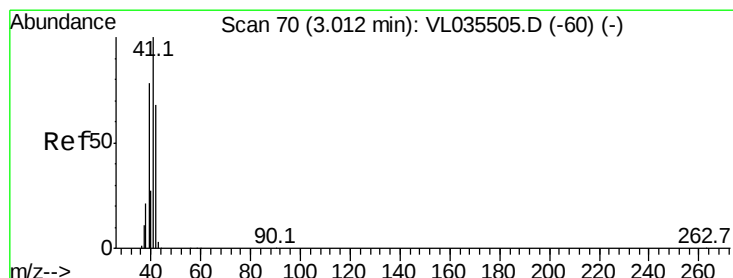
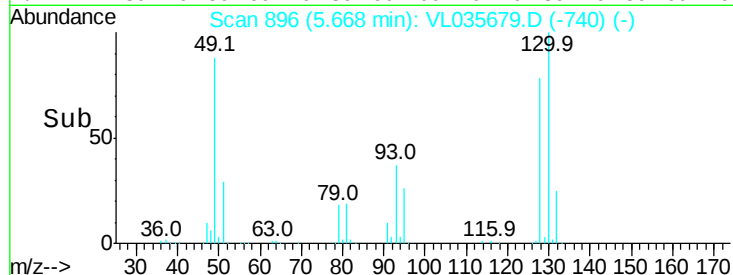
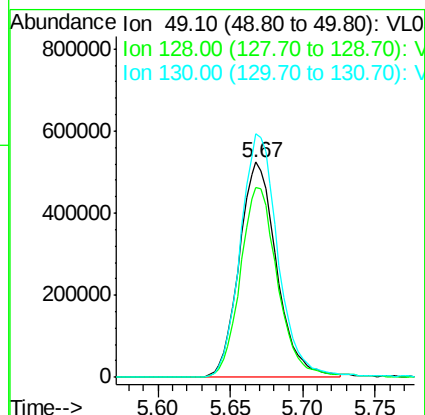
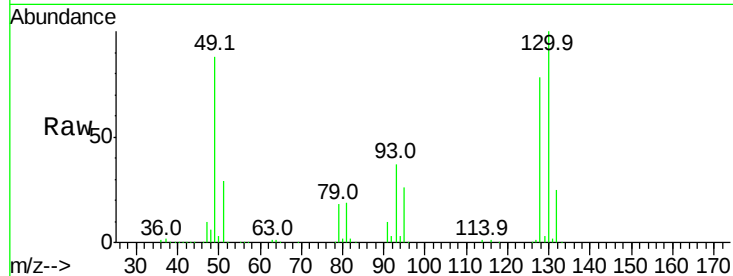
Delta R.T. 0.00 min

Lab File: VL035679.D

Acq: 18 Sep 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:	49	Resp:	943817
Ion	Ratio	Lower	Upper
49	100		
128	88.9	50.0	150.1
130	114.8	64.4	193.2



#9

Propene

Concen: 0.156 ppbv

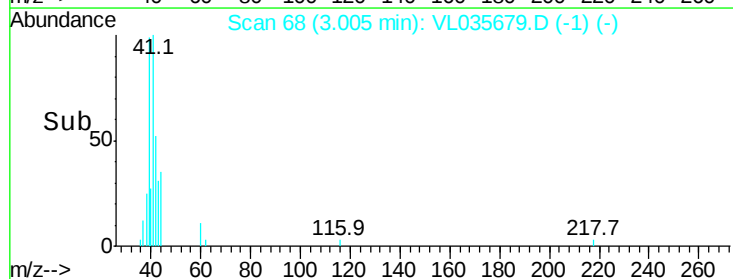
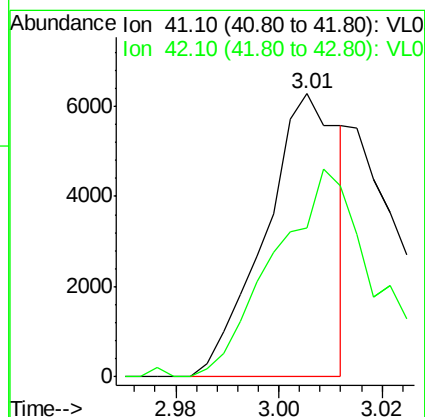
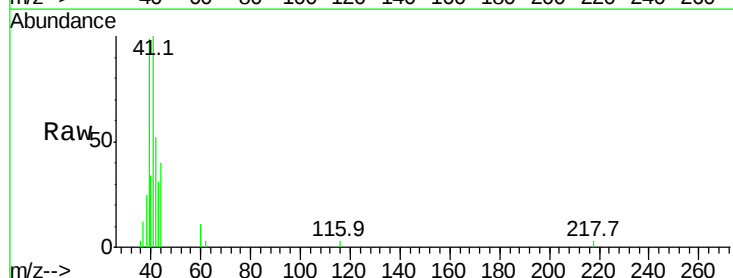
RT: 3.01 min Scan# 68

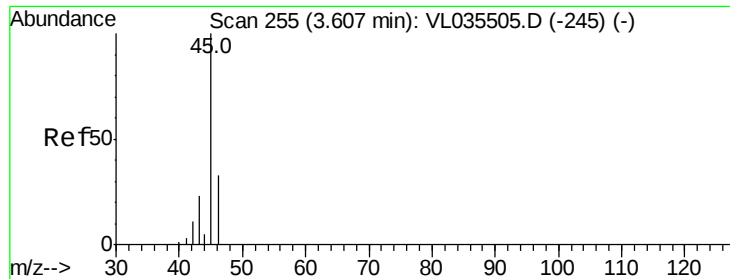
Delta R.T. 0.01 min

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Tgt Ion:	41	Resp:	6278
Ion	Ratio	Lower	Upper
41	100		
42	101.8	56.3	84.5#





#13

Ethanol

Concen: 0.273 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL035679.D

Acq: 18 Sep 2020 10:29

Instrument :

MSVOA_L

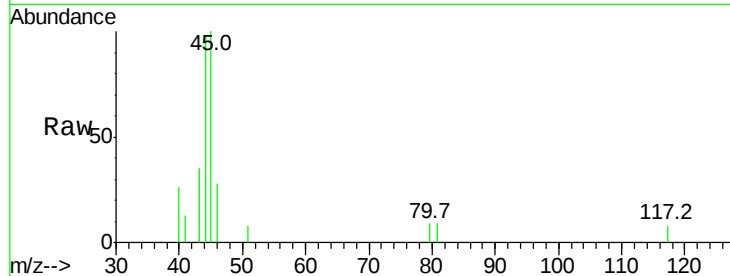
ClientSampleId :

Tgt Ion: 45 Resp: 2727

Ion Ratio Lower Upper

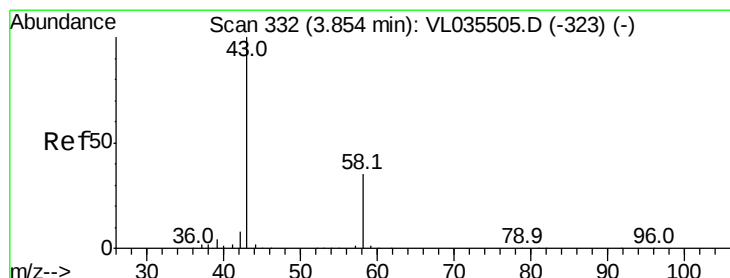
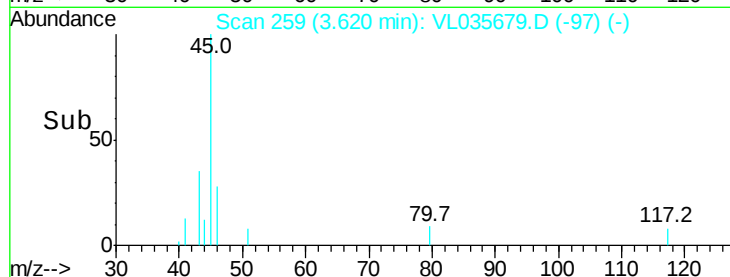
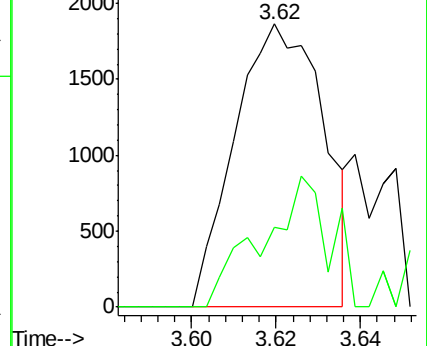
45 100

46 36.5 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.438 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL035679.D

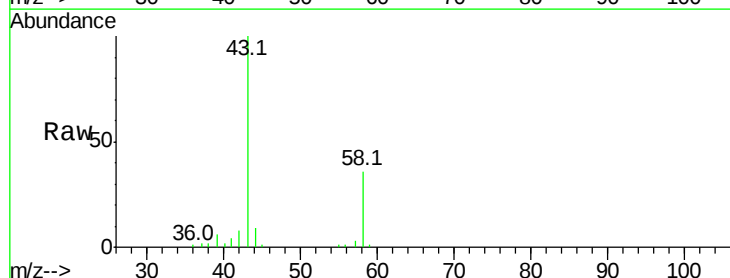
Acq: 18 Sep 2020 10:29

Tgt Ion: 43 Resp: 45542

Ion Ratio Lower Upper

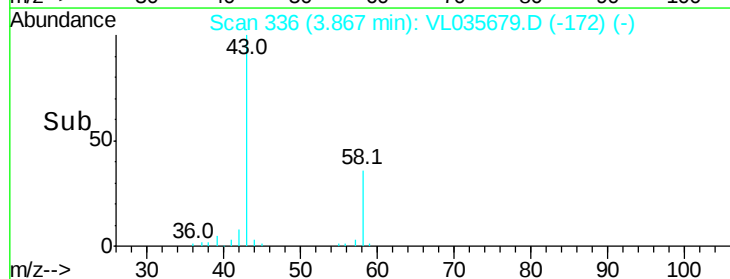
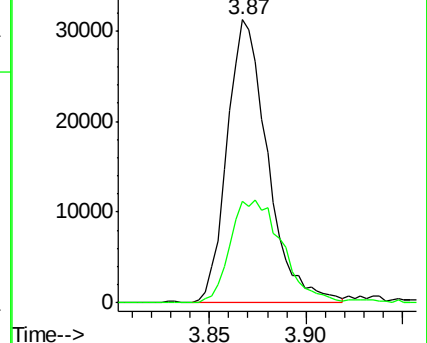
43 100

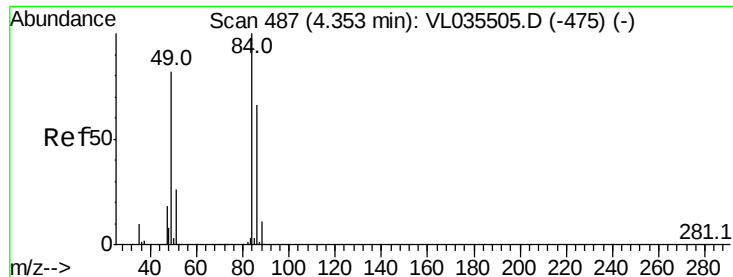
58 47.3 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

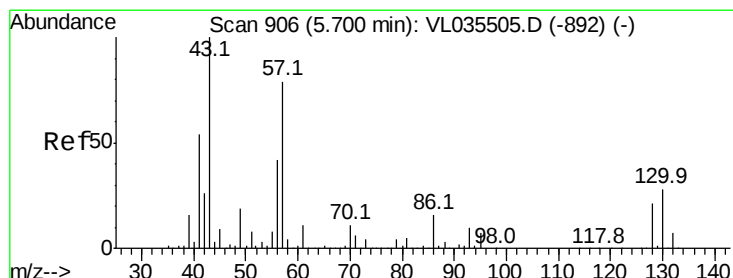
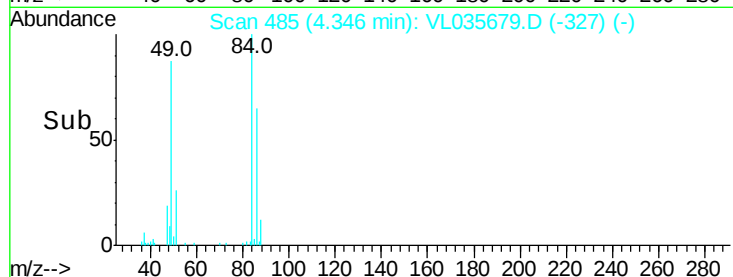
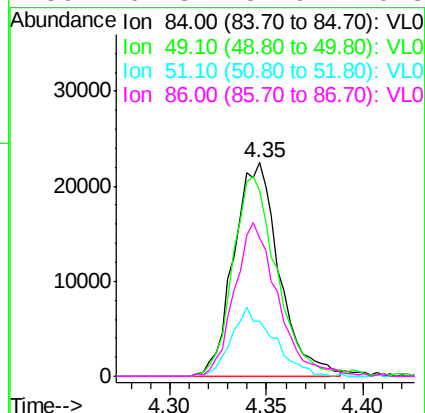
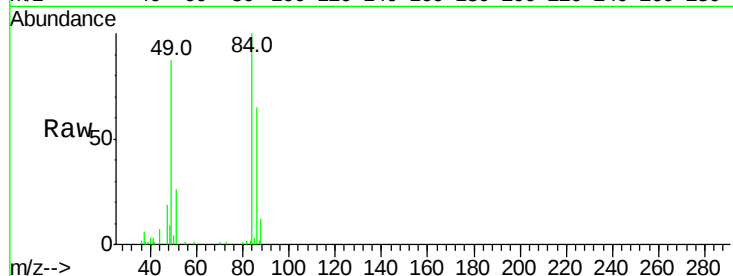




#20
Methylene Chloride
Concen: 0.472 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL035679.D
Acq: 18 Sep 2020 10:29

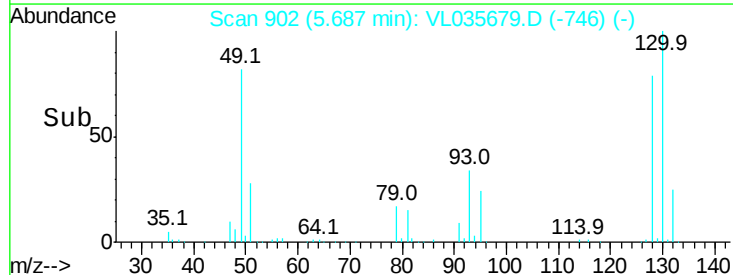
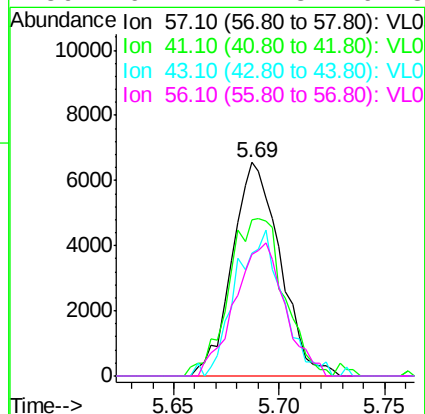
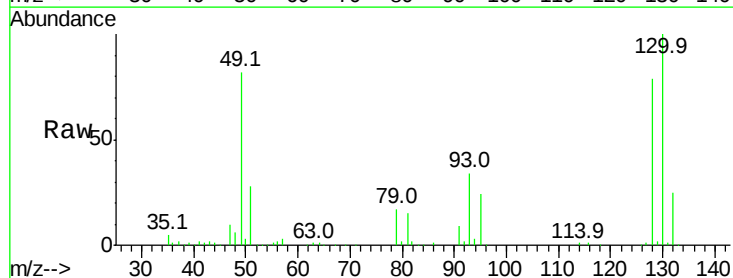
Instrument :
MSVOA_L
ClientSampleId :

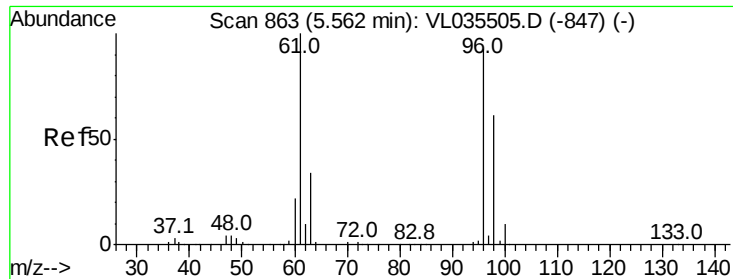
Tgt Ion:	84	Resp:	36618
Ion	Ratio	Lower	Upper
84	100		
49	86.6	65.4	98.0
51	25.9	21.5	32.3
86	64.8	52.9	79.3



#26
Hexane
Concen: 0.100 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035679.D
Acq: 18 Sep 2020 10:29

Tgt Ion:	57	Resp:	10382
Ion	Ratio	Lower	Upper
57	100		
41	86.5	55.9	83.9#
43	67.9	141.8	212.8#
56	64.7	41.8	62.8#



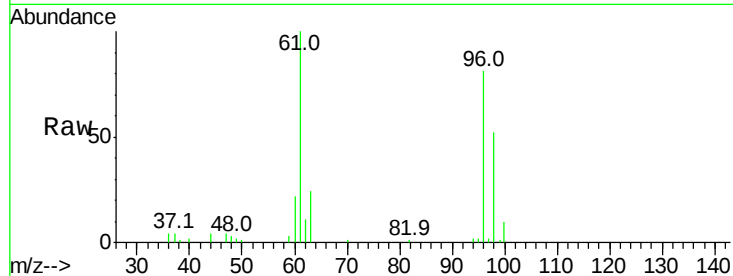


#31

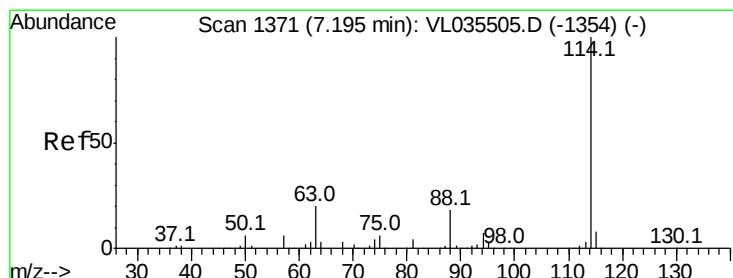
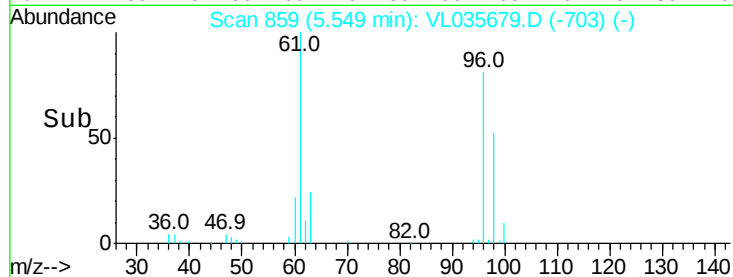
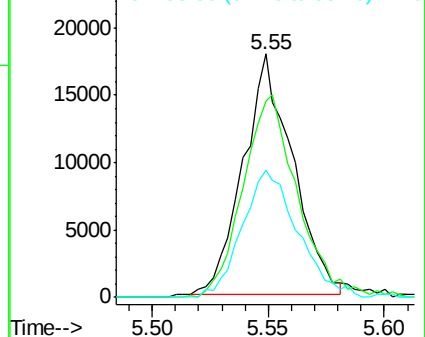
cis-1,2-Dichloroethene
Concen: 0.249 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL035679.D
Acq: 18 Sep 2020 10:29

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 26615
Ion Ratio Lower Upper
61 100
96 80.6 74.4 111.6
98 52.9 49.2 73.8



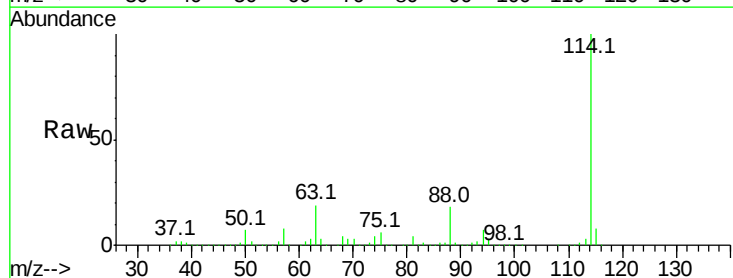
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



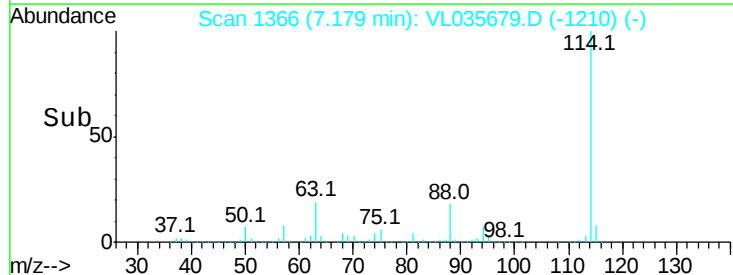
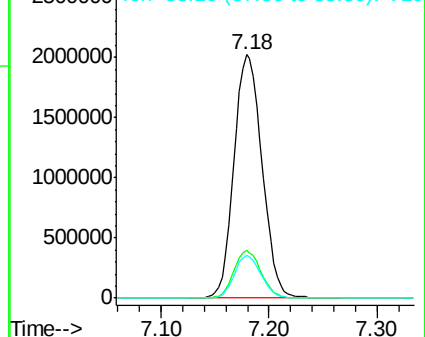
#33

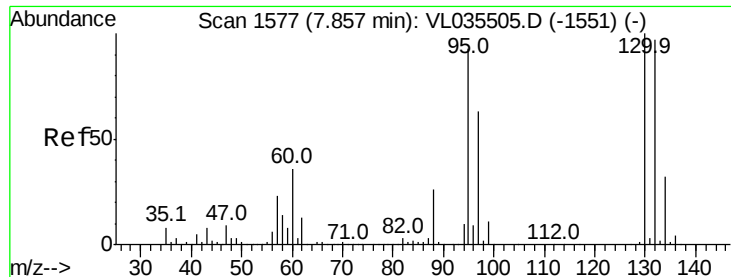
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VL035679.D
Acq: 18 Sep 2020 10:29

Tgt Ion: 114 Resp: 3684814
Ion Ratio Lower Upper
114 100
63 19.0 14.7 22.1
88 16.7 13.4 20.2



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

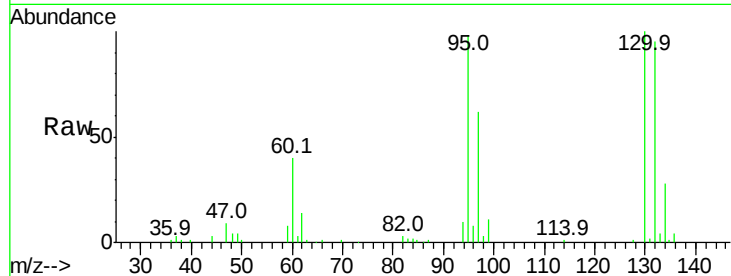




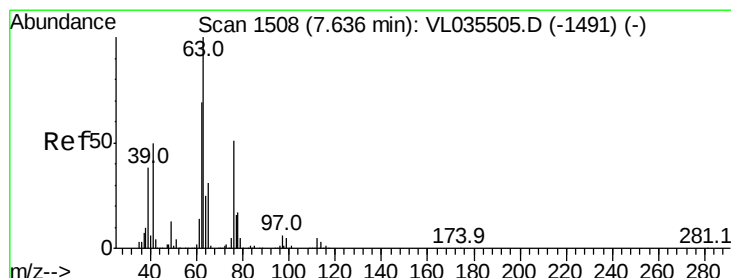
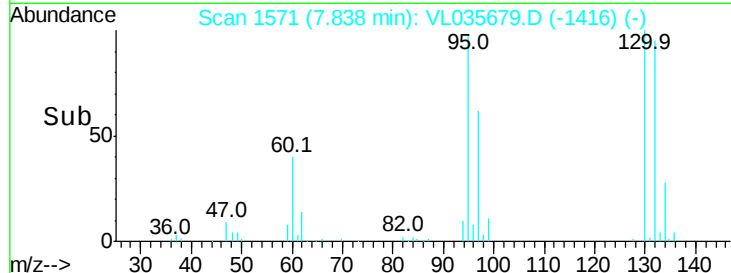
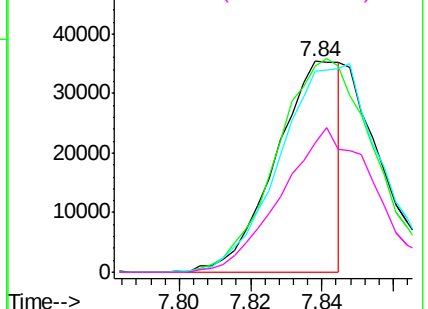
#38
 Trichloroethene
 Concen: 0.318 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL035679.D
 Acq: 18 Sep 2020 10:29

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:130 Resp: 44072
 Ion Ratio Lower Upper
 130 100
 95 96.9 74.6 112.0
 132 94.6 77.6 116.4
 97 61.5 50.6 76.0

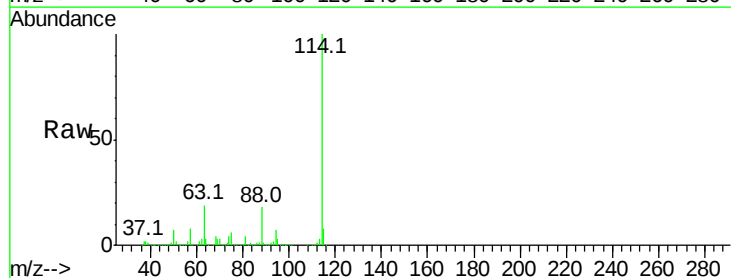


Abundance Ion 130.00 (129.70 to 130.70): V

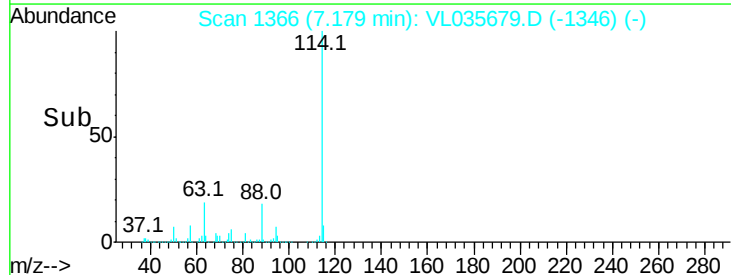
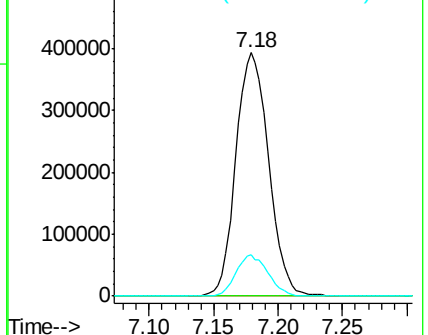


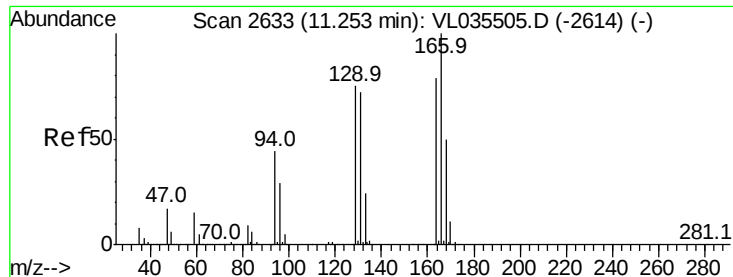
#39
 1,2-Dichloropropane
 Concen: 8.633 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.43 min
 Lab File: VL035679.D
 Acq: 18 Sep 2020 10:29

Tgt Ion: 63 Resp: 695604
 Ion Ratio Lower Upper
 63 100
 41 0.0 40.0 60.0#
 62 17.2 55.4 83.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0





#52

Tetrachloroethene

Concen: 9.918 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.01 min

Lab File: VL035679.D

Acq: 18 Sep 2020 10:29

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:164 Resp: 1382072

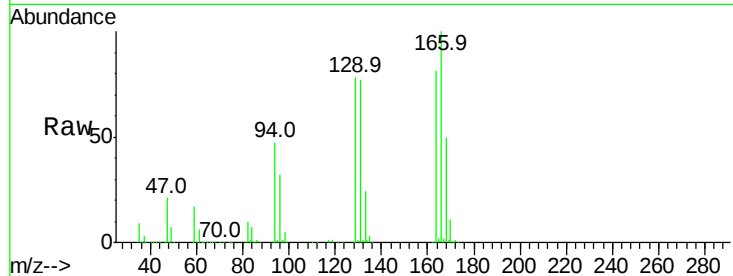
Ion Ratio Lower Upper

164 100

166 124.0 100.9 151.3

129 96.6 75.3 112.9

131 95.5 73.0 109.4

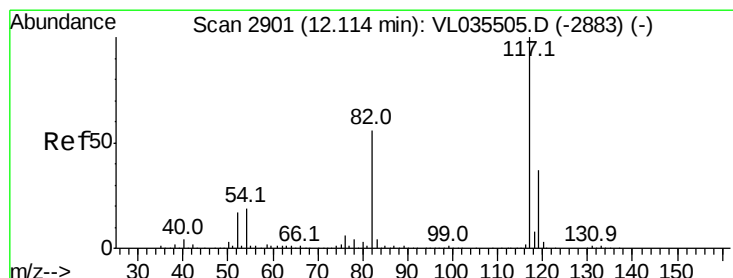
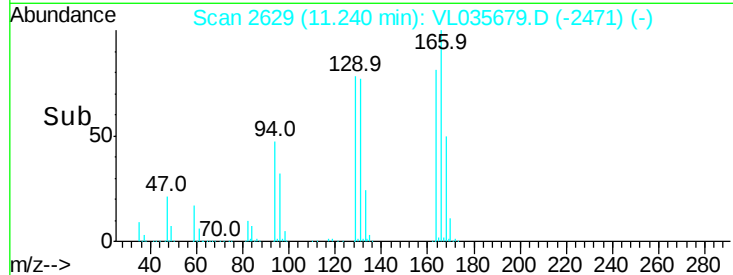
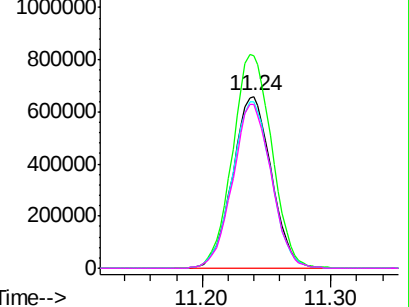


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.01 min

Lab File: VL035679.D

Acq: 18 Sep 2020 10:29

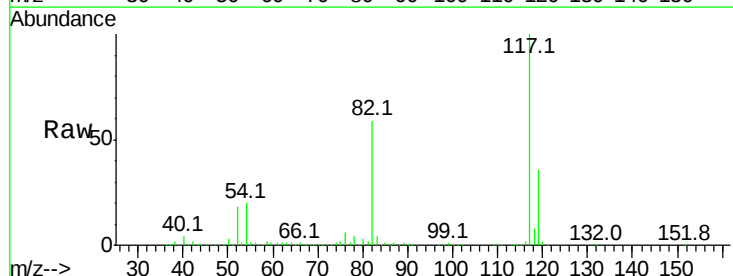
Tgt Ion:117 Resp: 3654264

Ion Ratio Lower Upper

117 100

82 56.6 41.6 62.4

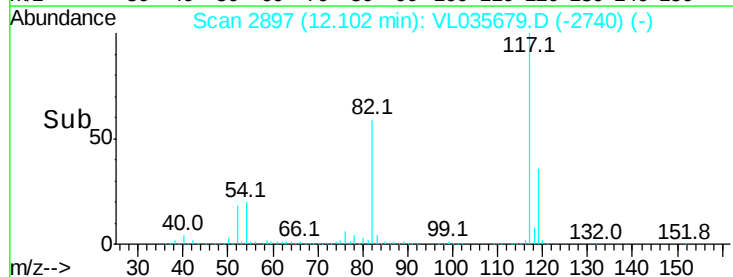
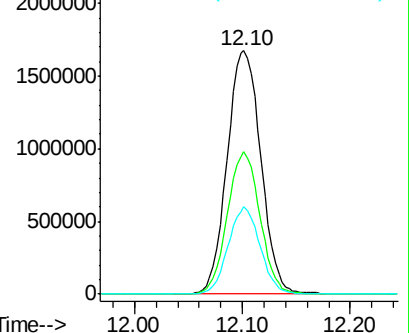
119 34.0 29.3 43.9

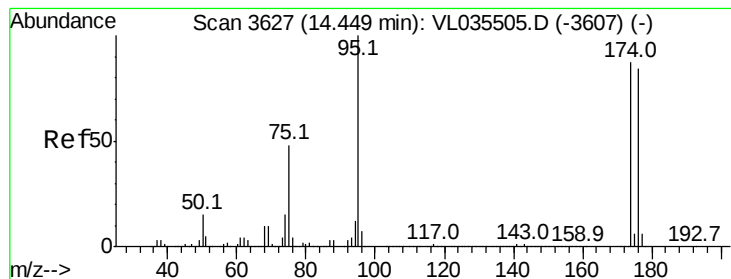


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.140 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VL035679.D

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MSVOA_L

ClientSampleId :

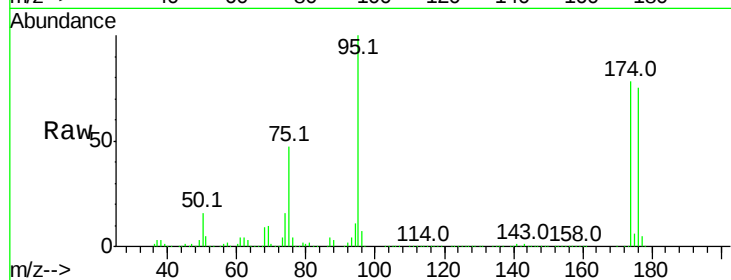
Tgt Ion: 95 Resp: 2631316

Ion Ratio Lower Upper

95 100

174 79.1 69.6 104.4

175 5.7 5.1 7.7



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

